

12/27/2013 12:25:19 PM CAHSR-r1.tbl CHSR\_PDF\_half\_black\_200dpi.dwg \\bar59603\external\bar59603\FB-SB-0100-A1.dgn



**LEGEND**

---+---+--- EXISTING FREIGHT RAILROAD

———— PROPOSED CHST

2000 0 2000 4000

SCALE: 1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY L. SMITH
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



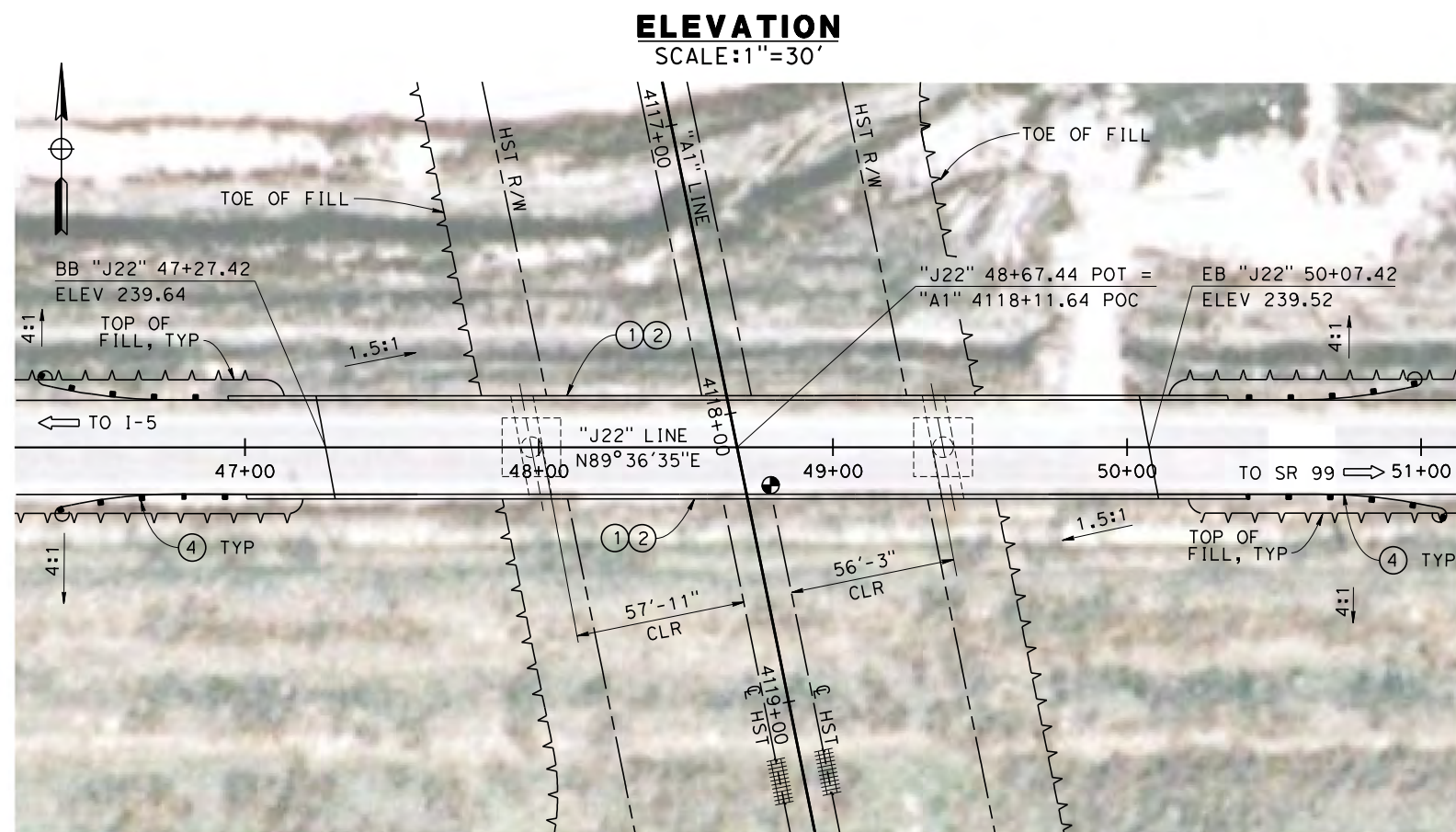
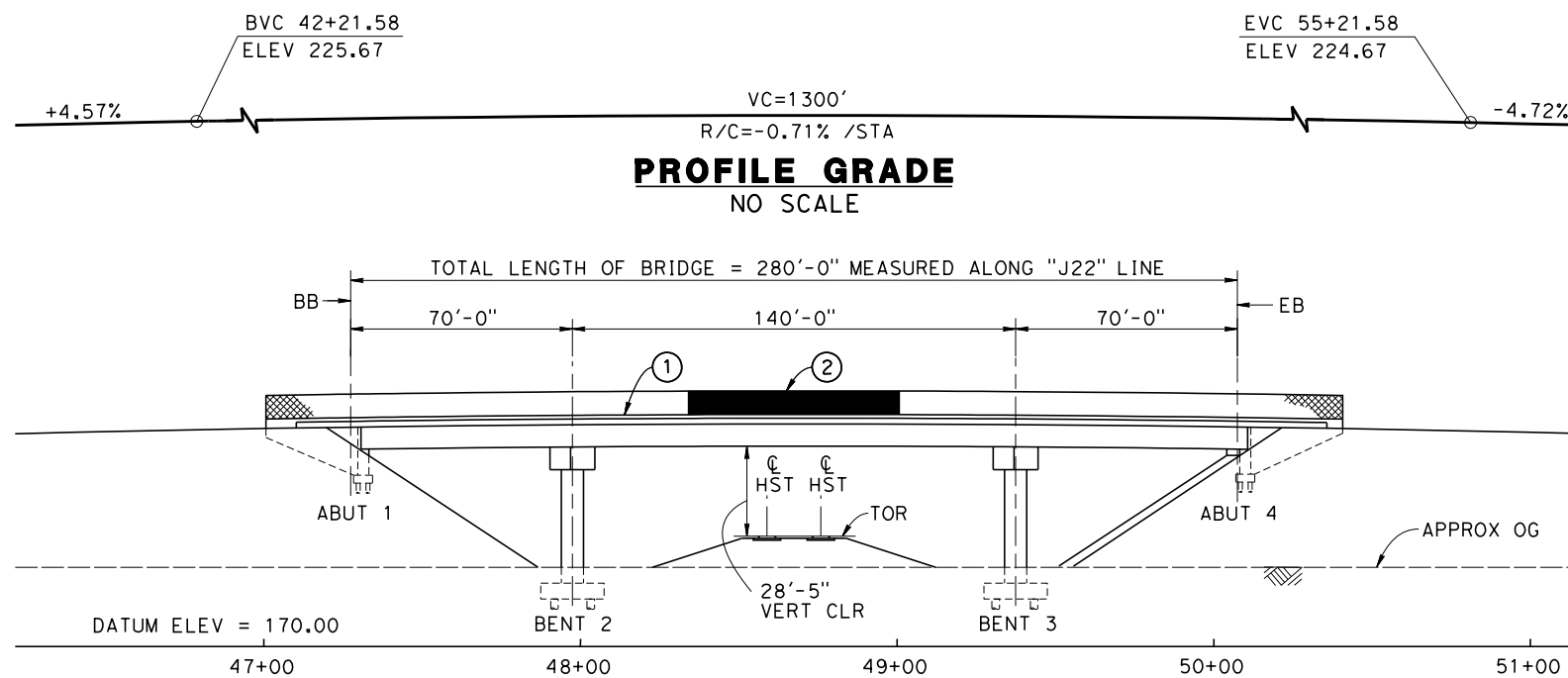
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

ALLENSWORTH BYPASS SUBSECTION  
ALIGNMENT A1  
OVERHEAD PLANNING STUDY  
KEY MAP

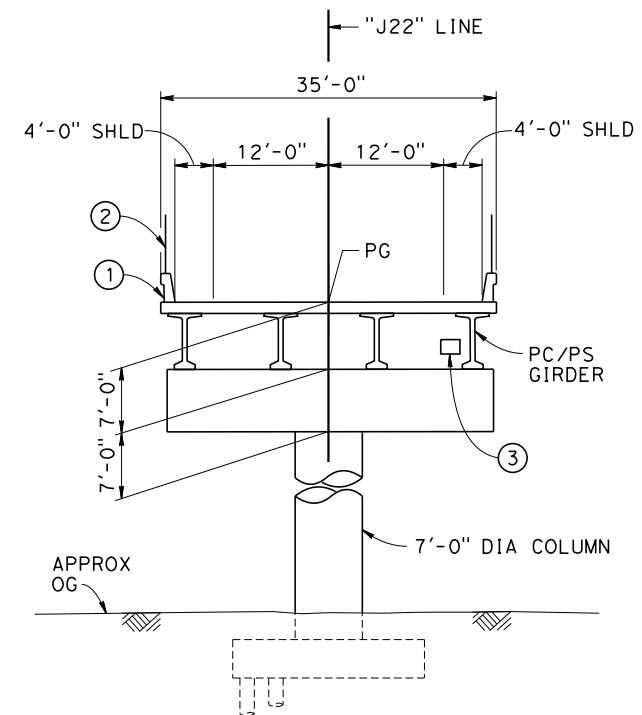
CONTRACT NO. HSR 06-0003
DRAWING NO. SB0100
SCALE AS SHOWN
SHEET NO. 1 OF 5



12/20/2013 3:33:26 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black.plt c:\pwworking\hmm\external\bar50597\dms72594\FB-ST-2501-A1.dgn



**PLAN**  
SCALE: 1"=30'

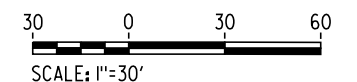
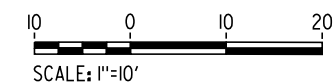


**NOTES:**

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

**LEGEND:**

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

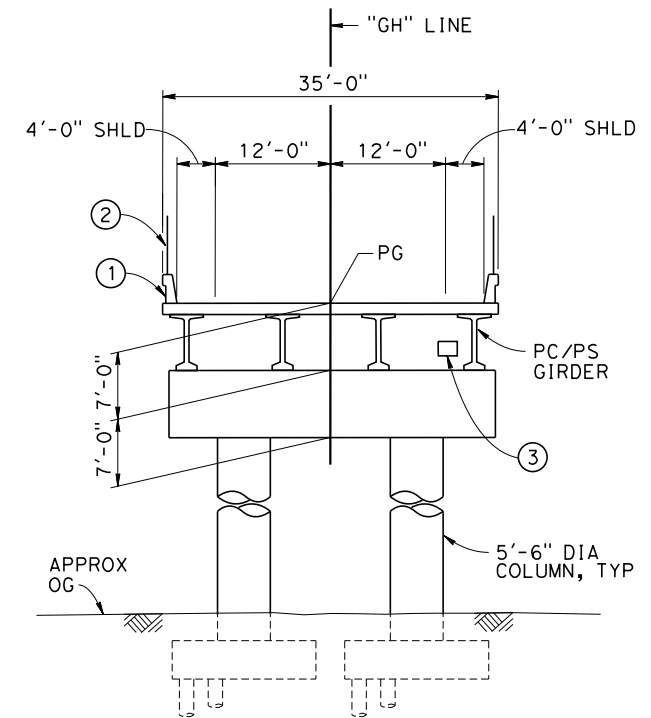
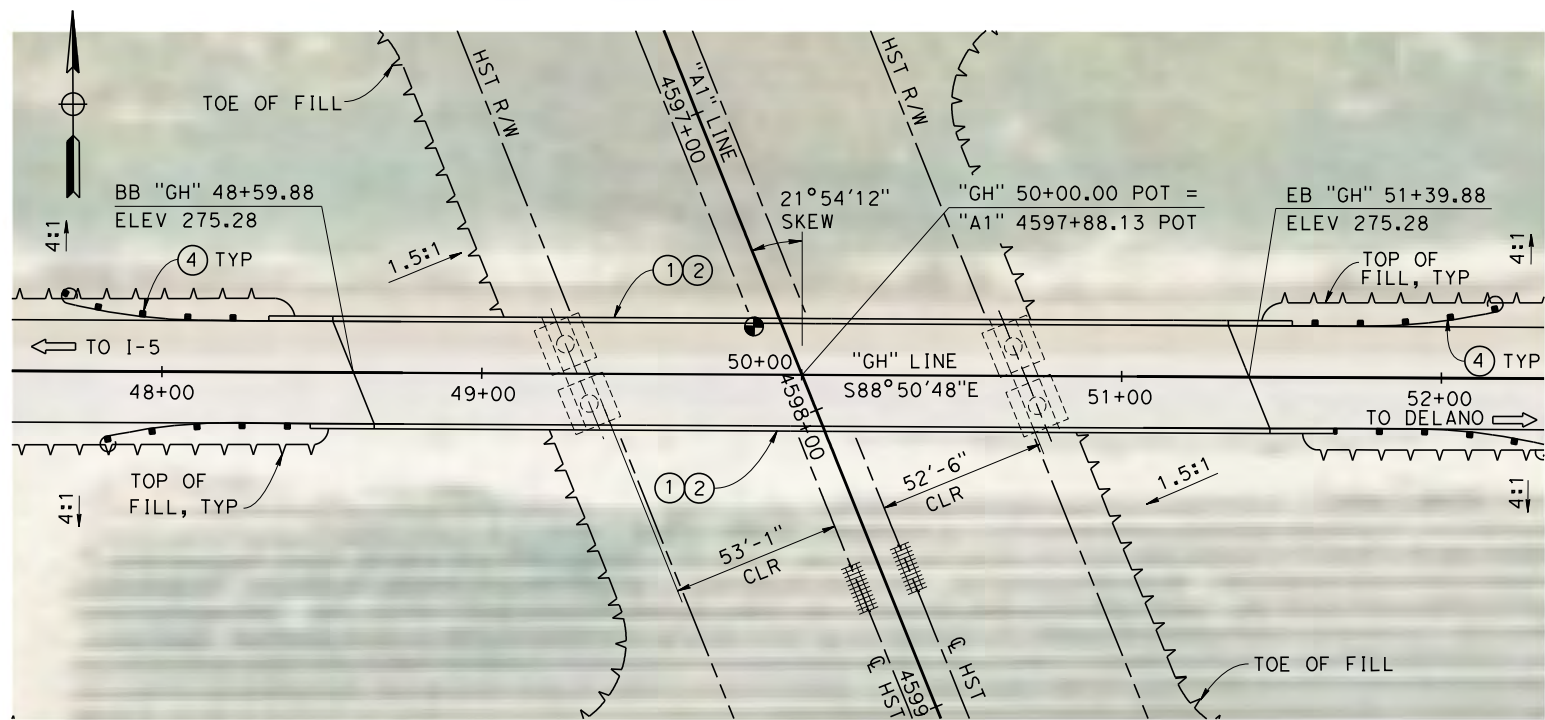
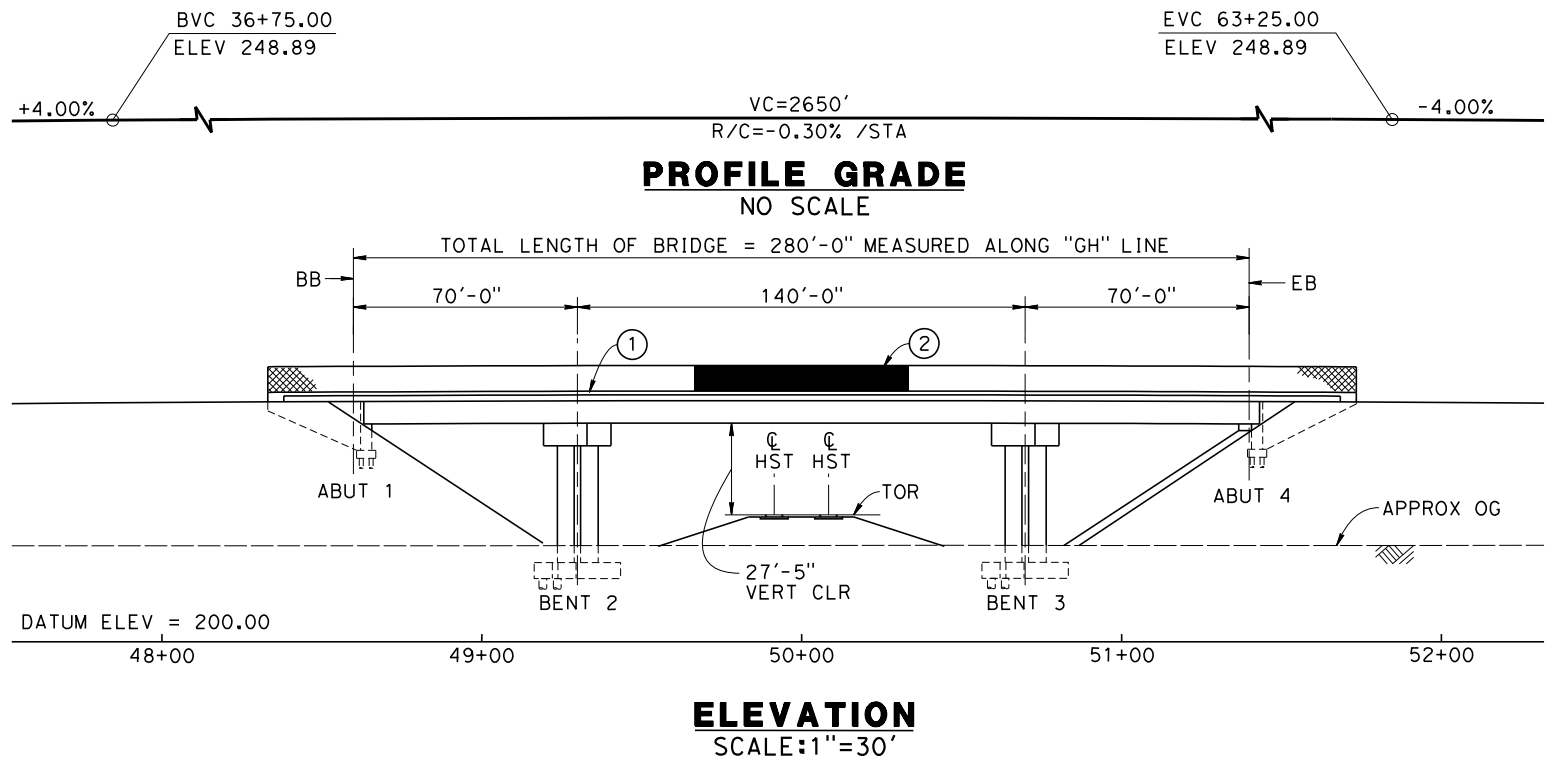
DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY L. SMITH
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



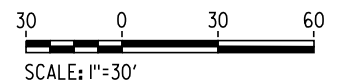
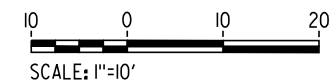
<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>
ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 OVERHEAD PLANNING STUDY COUNTY RD J22

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2501
SCALE AS SHOWN
SHEET NO. 2 OF 5



- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY L. SMITH
IN CHARGE R. COFFIN
DATE 12/31/13

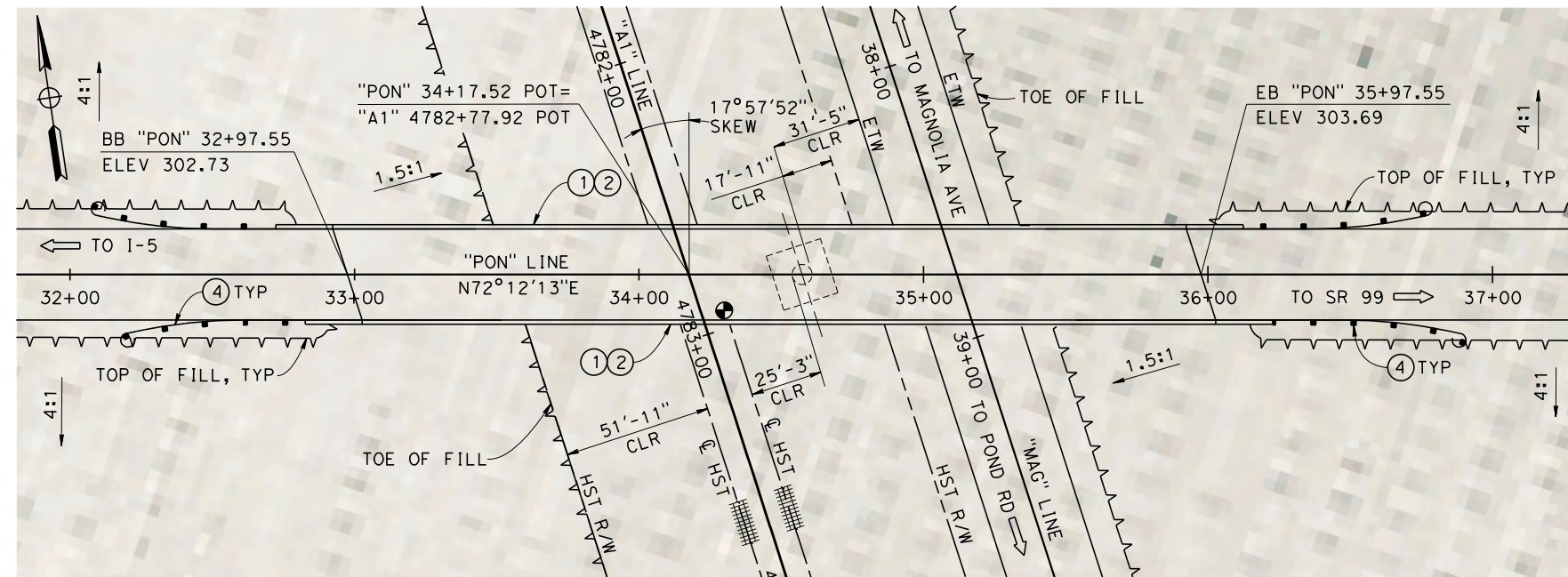
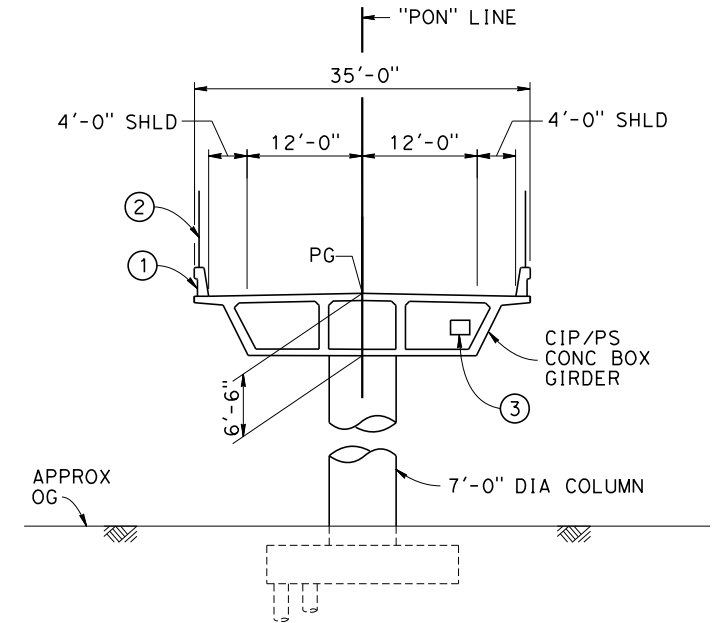
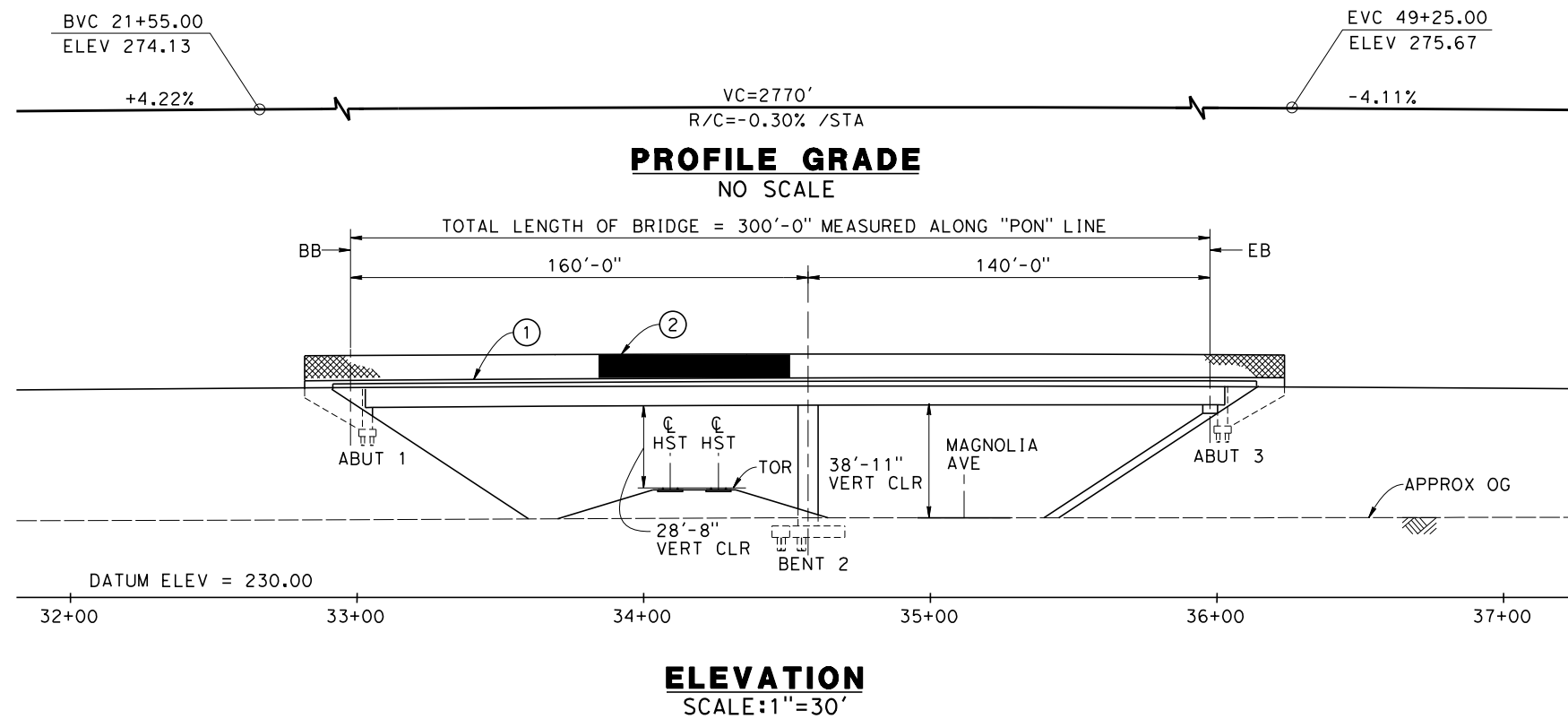
<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
OVERHEAD PLANNING STUDY
GARCES HWY

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2511
SCALE AS SHOWN
SHEET NO. 3 OF 5



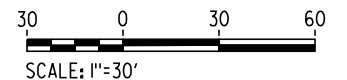
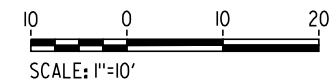


NOTES:

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2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



12/20/2013 1:50:24 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black.plt c:\pwworking\hmm\external\bar50597\dms72594\FB-ST-2521-A1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY L. SMITH
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



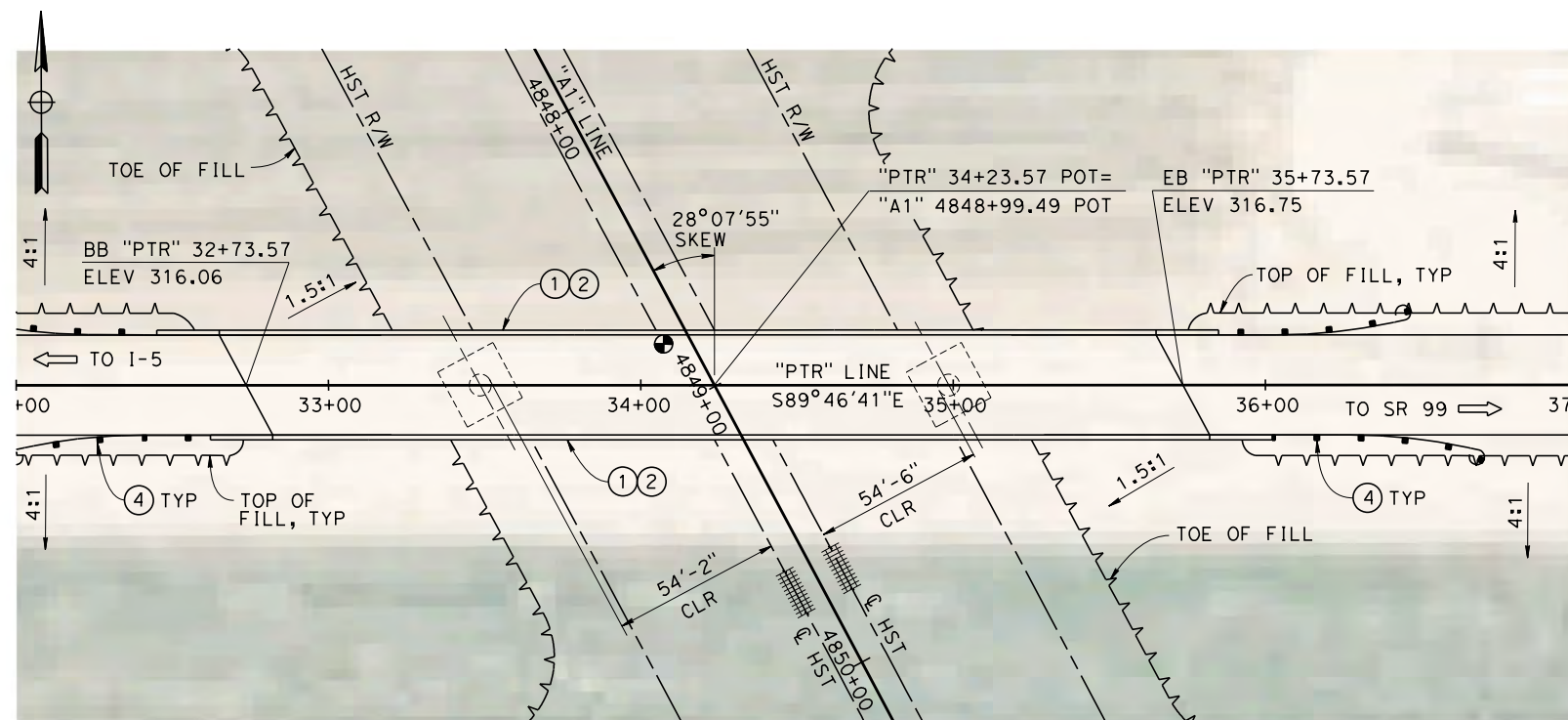
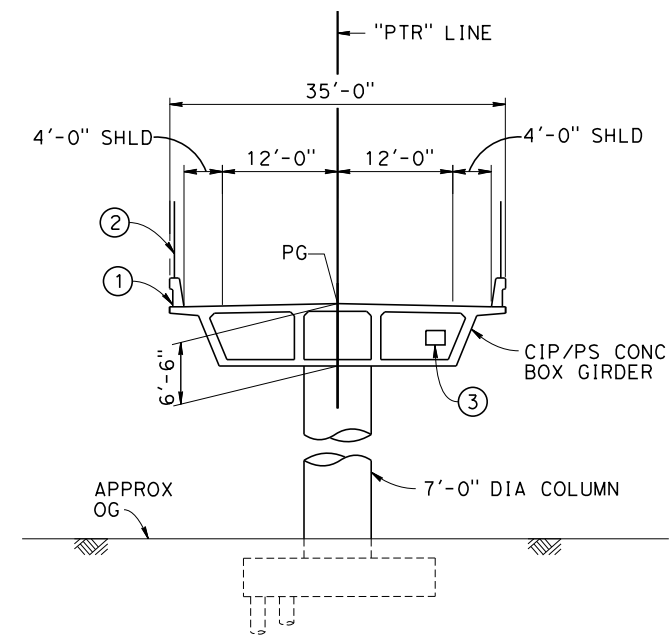
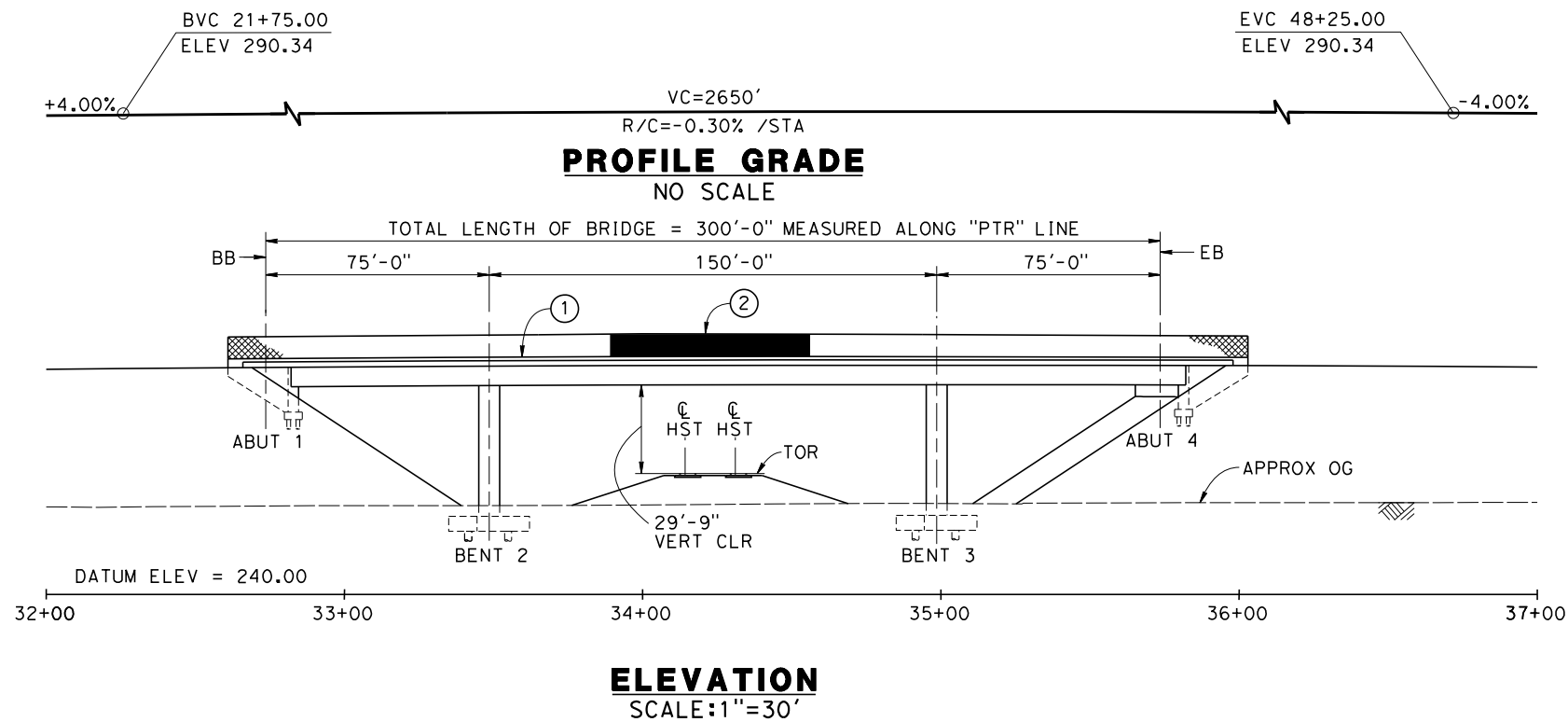
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

ALLENSWORTH BYPASS SUBSECTION  
ALIGNMENT A1  
OVERHEAD PLANNING STUDY  
POND RD

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2521
SCALE AS SHOWN
SHEET NO. 4 OF 5



12/20/2013 1:50:42 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black.plt c:\pwworking\hmm\external\bar50597\dms72594\FB-ST-2531-A1.dgn

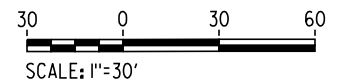
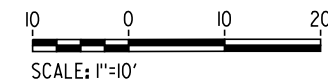


NOTES:

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY L. SMITH
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>	CONTRACT NO. HSR 06-0003
ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 OVERHEAD PLANNING STUDY PETERSON RD	DRAWING NO. ST2531
	SCALE AS SHOWN
	SHEET NO. 5 OF 5



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
M. ANDREWS  
DRAWN BY  
D. BARNHART  
CHECKED BY  
B. LUSCOMBE  
IN CHARGE  
R. COFFIN  
DATE  
12/31/13

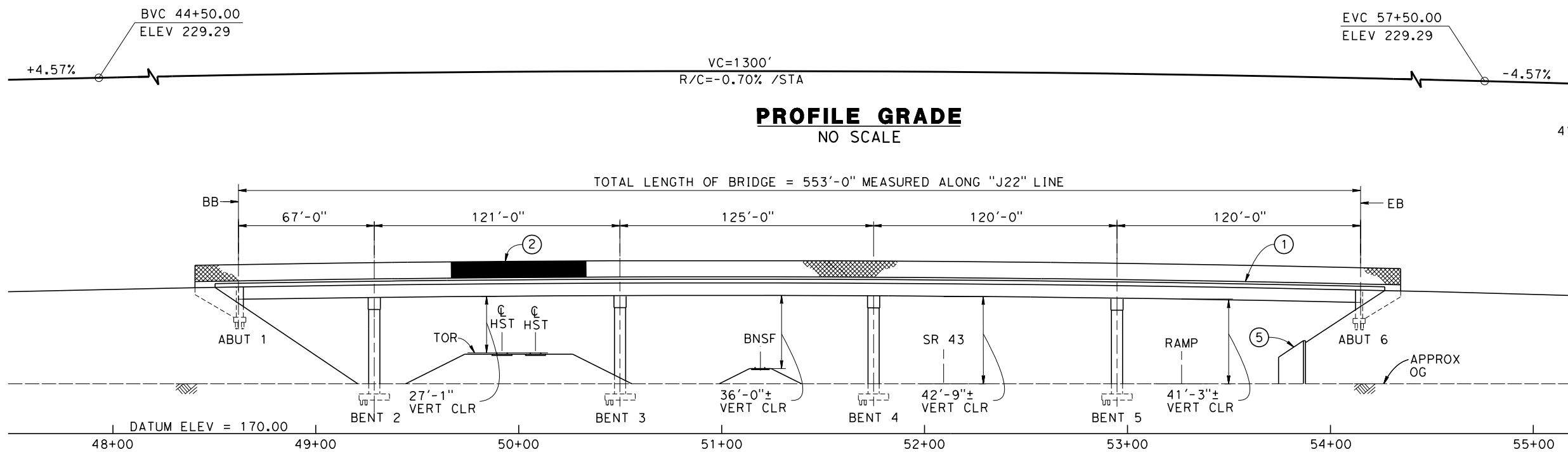
**RECORD SET 15%  
DESIGN SUBMISSION**  
  
**NOT FOR  
CONSTRUCTION**



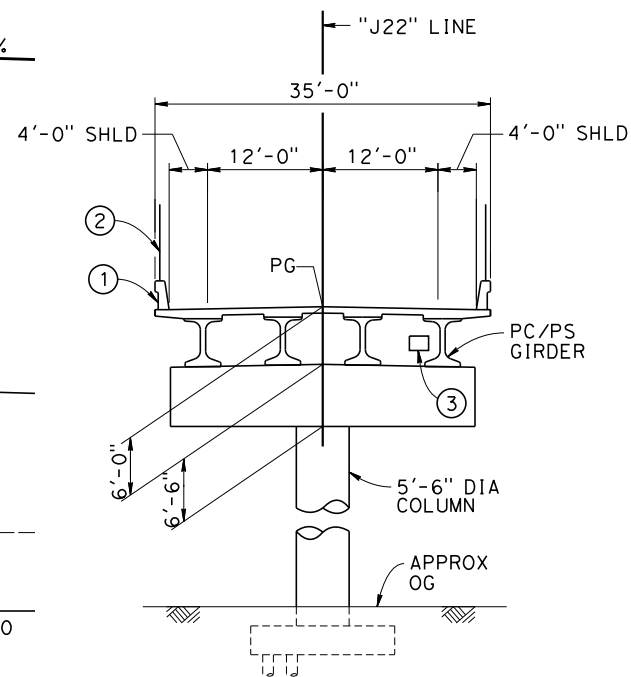
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
THROUGH ALLENSWORTH SUBSECTION  
ALIGNMENT A2  
OVERHEAD PLANNING STUDY  
KEY MAP

CONTRACT NO.  
HSR 06-0003  
DRAWING NO.  
SB0110  
SCALE  
AS SHOWN  
SHEET NO.  
1 OF 6

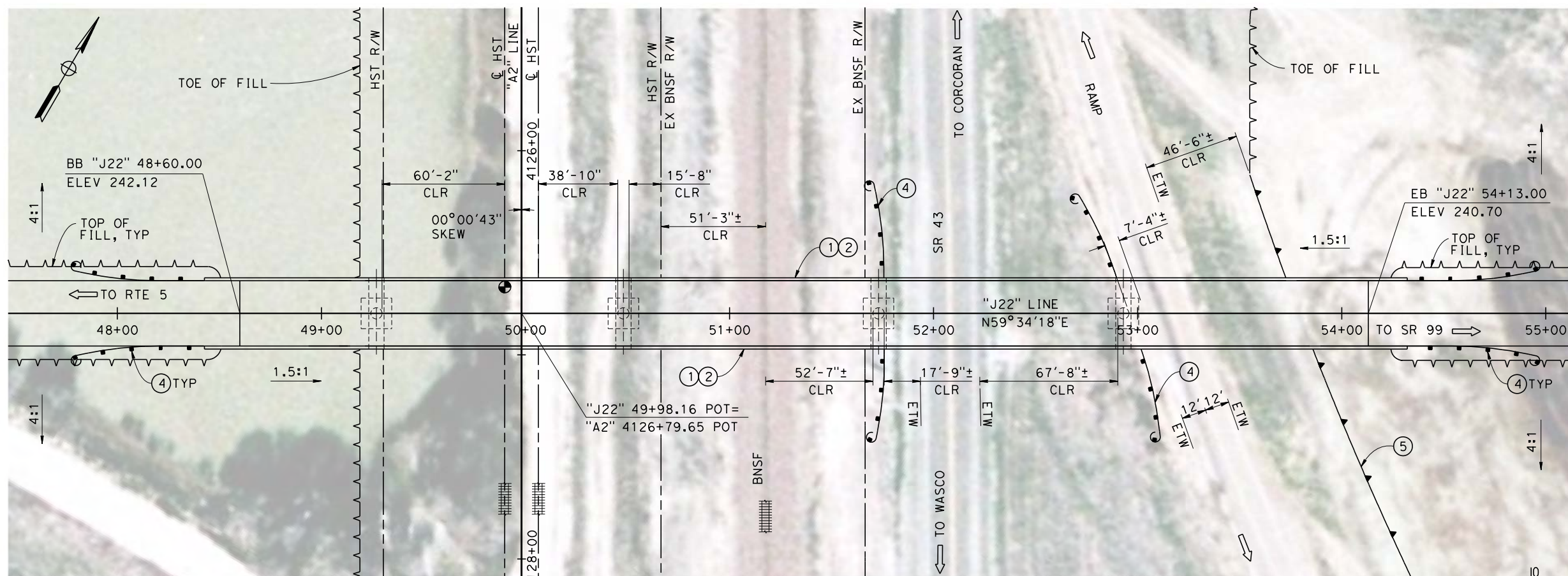




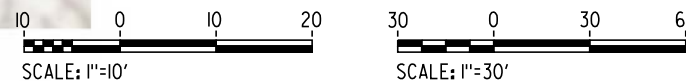
**ELEVATION**  
SCALE: 1"=30'



**TYPICAL SECTION**  
SCALE: 1"=10'



**PLAN**  
SCALE: 1"=30'



- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- NOTES:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR
  - ⑤ RETAINING WALL

12/23/2013 12:32:53 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black.plt c:\pwworking\hmm\external\bar50597\dms72595\FB-ST-2601-A2.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
M. ANDREWS

DRAWN BY  
D. BARNHART

CHECKED BY  
B. LUSCOMBE

IN CHARGE  
R. COFFIN

DATE  
12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

THROUGH ALLENSWORTH SUBSECTION  
ALIGNMENT A2  
OVERHEAD PLANNING STUDY  
COUNTY RD J22

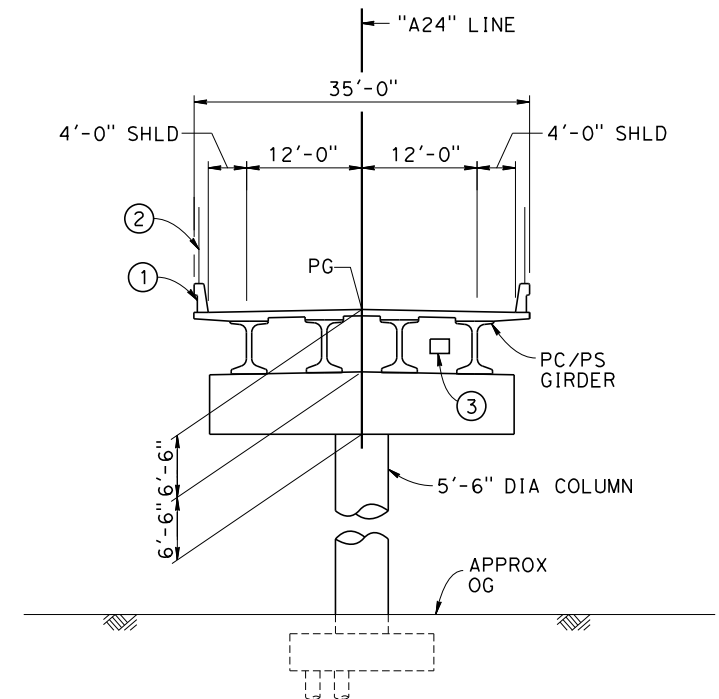
CONTRACT NO.  
HSR 06-0003

DRAWING NO.  
ST2601

SCALE  
AS SHOWN

SHEET NO.  
2 OF 6





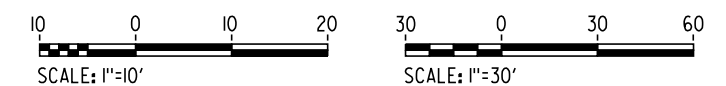
Plan view of the proposed high-speed rail alignment (A24) crossing the BNSF and SR 43 corridors. The alignment is shown as a solid line with stationing from 47+00 to 53+00. Key features include:

- BNSF Corridor:** A 15° 38' 36" skew crossing the alignment. Clearances of 63'-7"± and 18'-4" are shown.
- SR 43 Corridor:** A 12'-12'-30'-0"± clearance is shown.
- Topography:** The alignment crosses a 4:1 slope.
- Stationing:** Key points include BB "A24" 47+60.81 (Elev 260.07), "A24" 49+11.72 POT, and "A24" 52+20.81 (Elev 256.51).
- Right-of-Way:** HST R/W and EX BNSF R/W are indicated.
- Directional Arrows:** TO RTE 5, TO CORCORAN, TO SR 99, and TO MASCO are shown.

NOTES:

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- NOTES:
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  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



BAR50597 12/23/2013 7:45:49 AM CAHSRP-r1.tbl CHSR\_PDF\_half\_black.plt:c:\pwworking\hmm\external\bar50597\dms72595\FB-ST-2611-A2.dgn

[illegible]

DESIGNED BY	M. ANDREWS
DRAWN BY	D. BARNHART
CHECKED BY	B. LUSCOMBE
IN CHARGE	R. COFFIN
DATE	12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION  
-  
NOT FOR  
CONSTRUCTION**

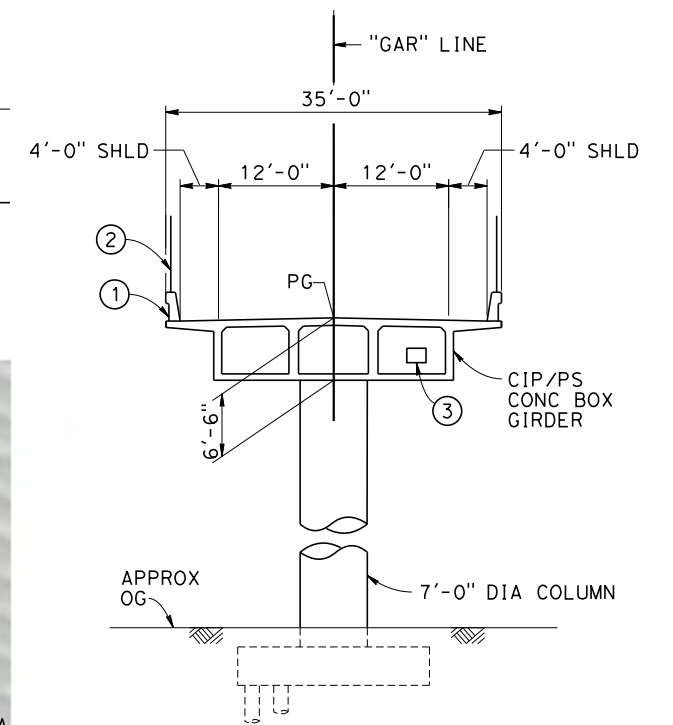
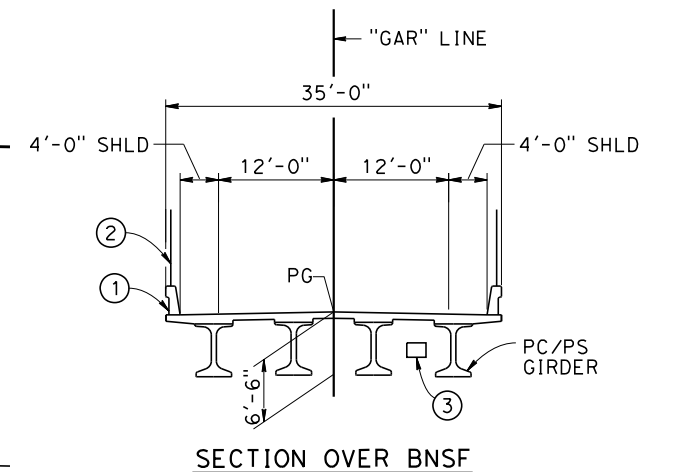
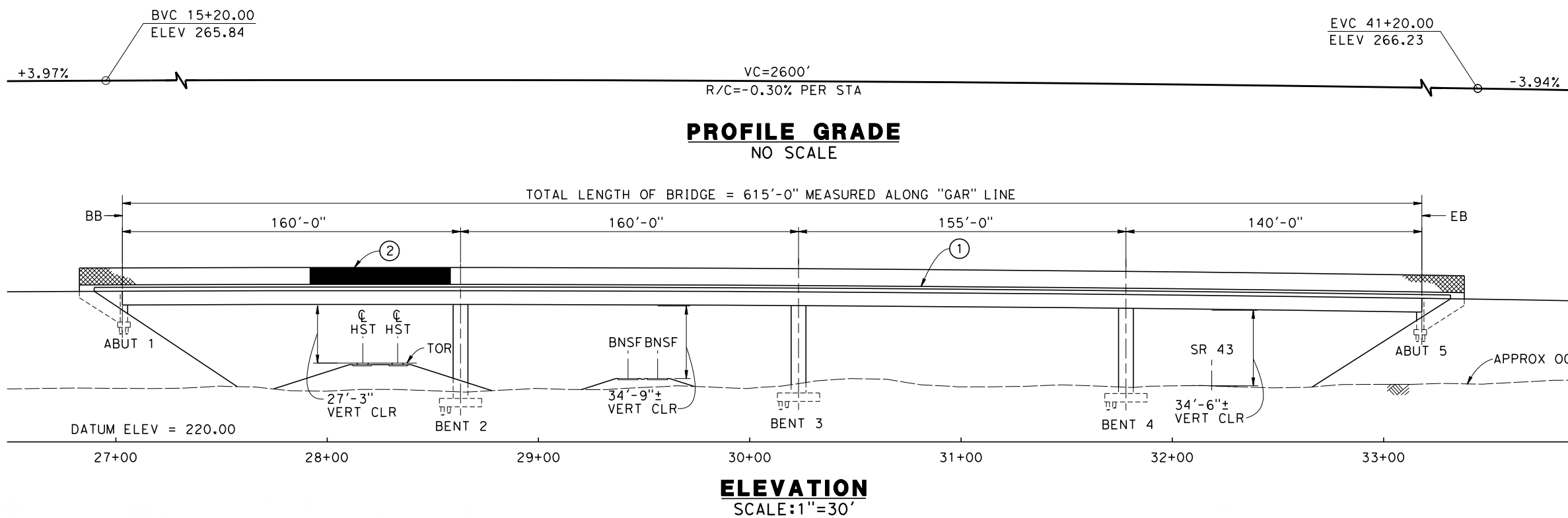


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
THROUGH ALLENSWORTH SUBSECTION  
ALIGNMENT A2  
OVERHEAD PLANNING STUDY  
AVE 24

CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2611
SCALE	AS SHOWN
SHEET NO.	3 OF 6



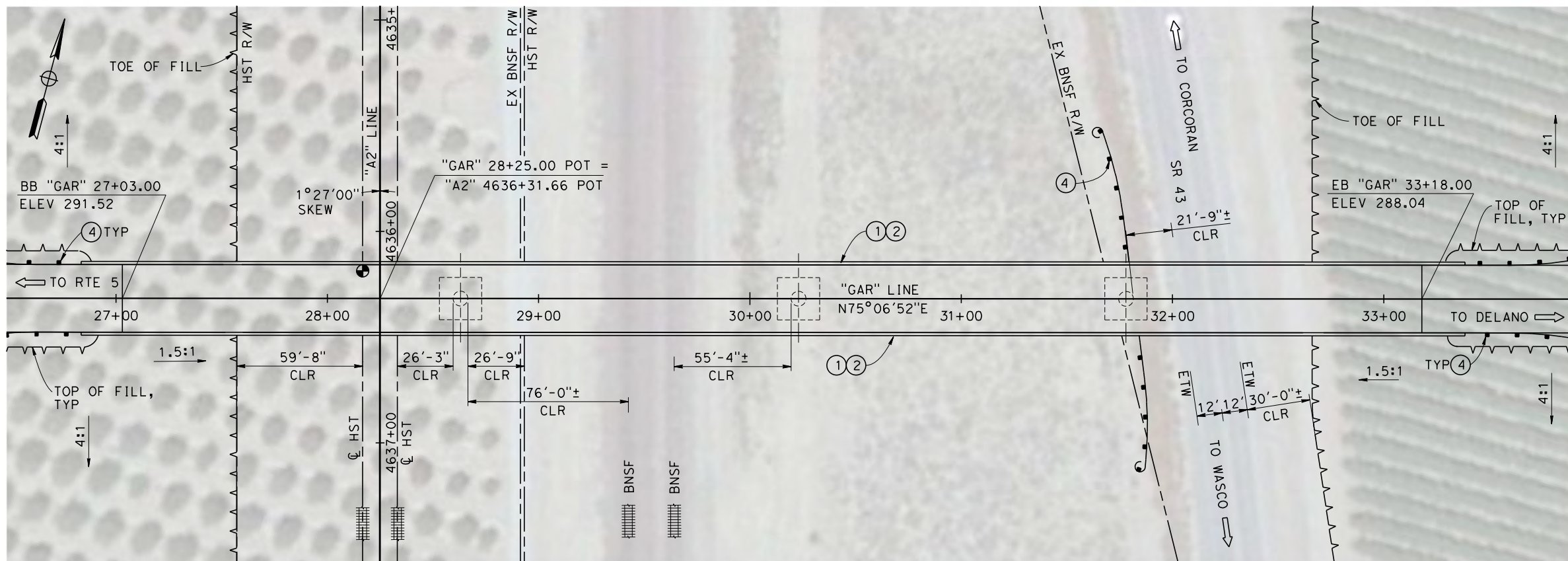
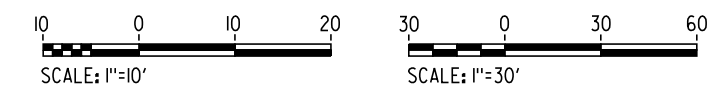
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**TYPICAL SECTION**  
SCALE: 1"=10'

- NOTES:
1. ALL PILES NOT SHOWN
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- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



**PLAN**  
SCALE: 1"=30'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. ANDREWS
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

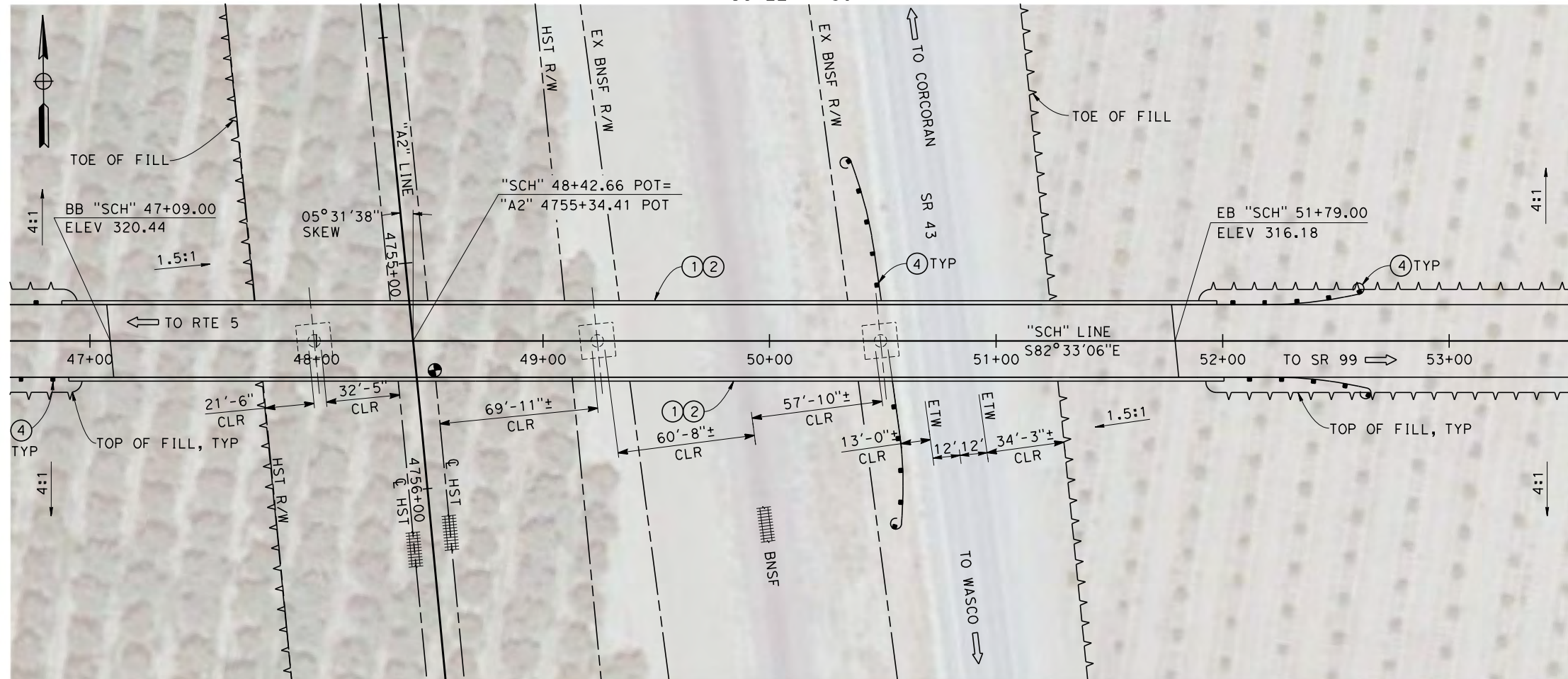
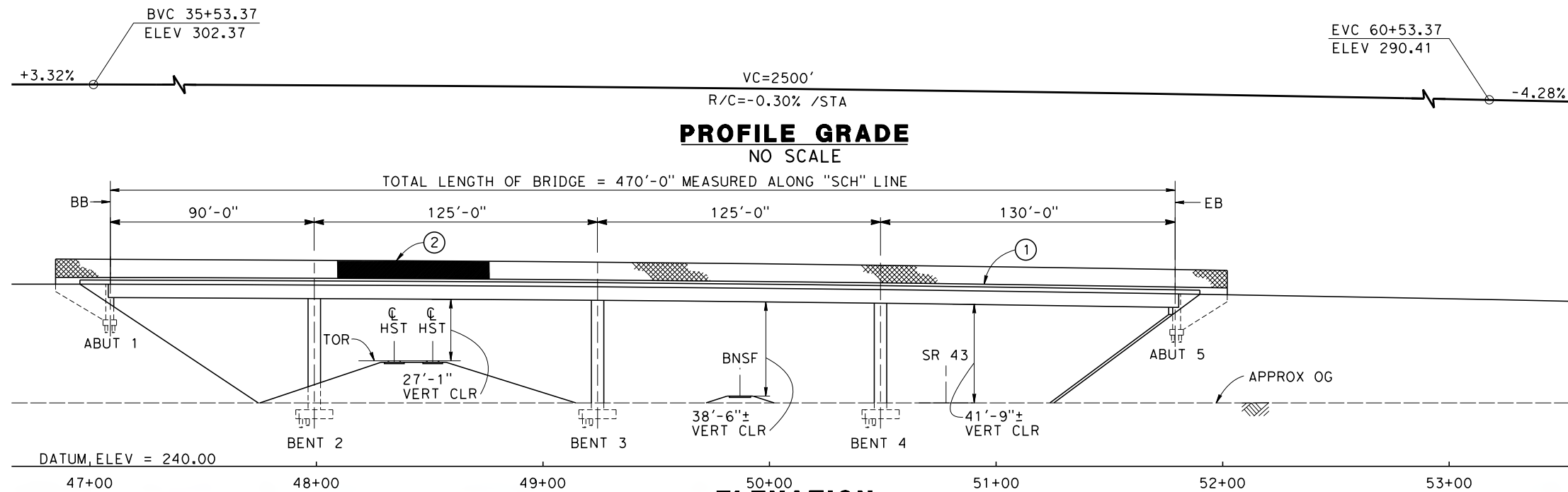
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<b>NOT FOR CONSTRUCTION</b>



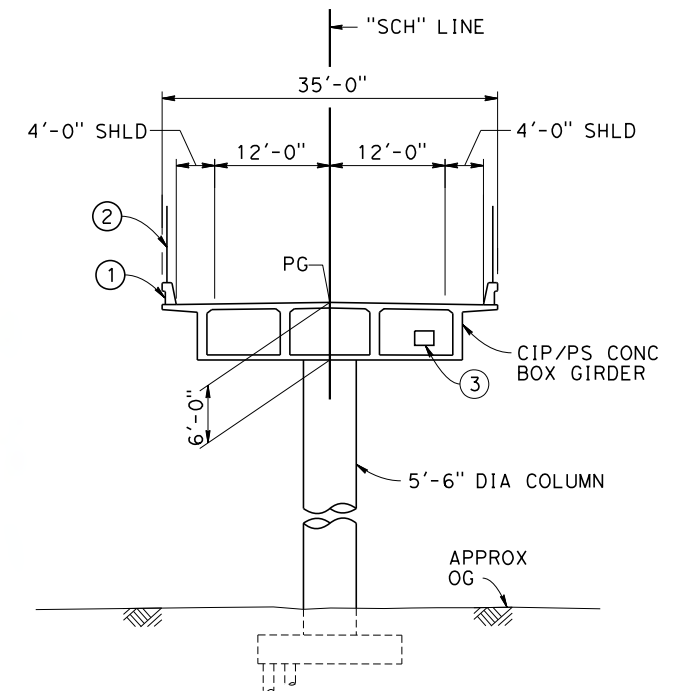
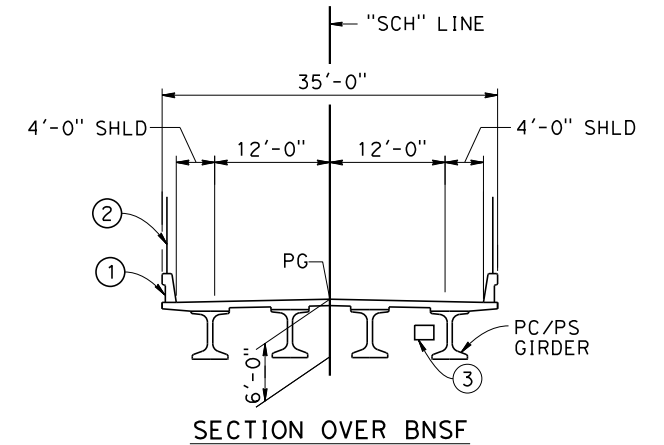
<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>
THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 OVERHEAD PLANNING STUDY GARCES HWY

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2621
SCALE AS SHOWN
SHEET NO. 4 OF 6

12/23/2013 12:44:21 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black.plt c:\pwworking\hmm\external\bar50597\dms72598\FB-ST-2631-A2.dgn



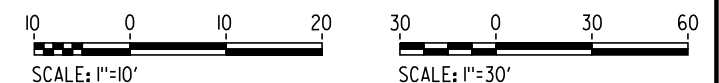
**PLAN**  
SCALE:1"=30'



**TYPICAL SECTION**  
SCALE:1"=10'

- NOTES:
1. ALL PILES NOT SHOWN
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. ANDREWS
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
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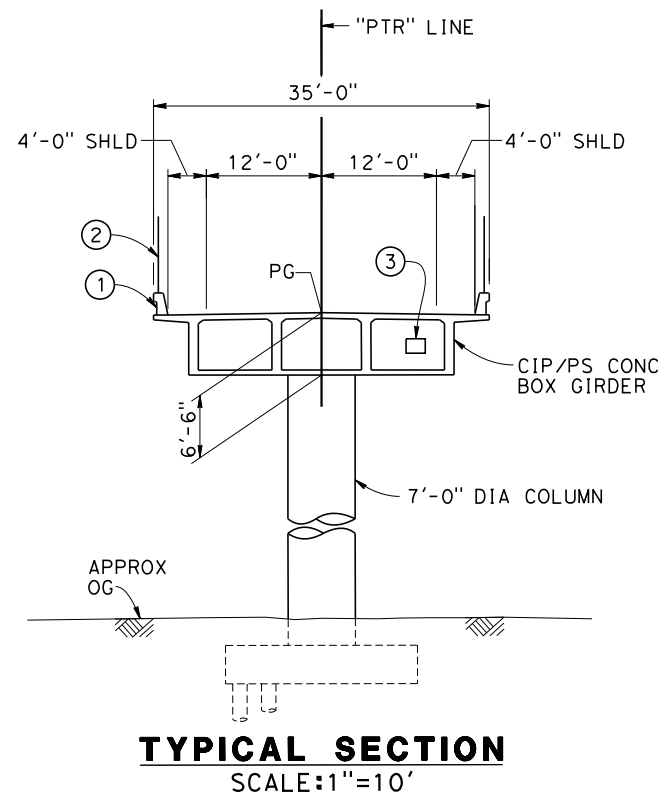
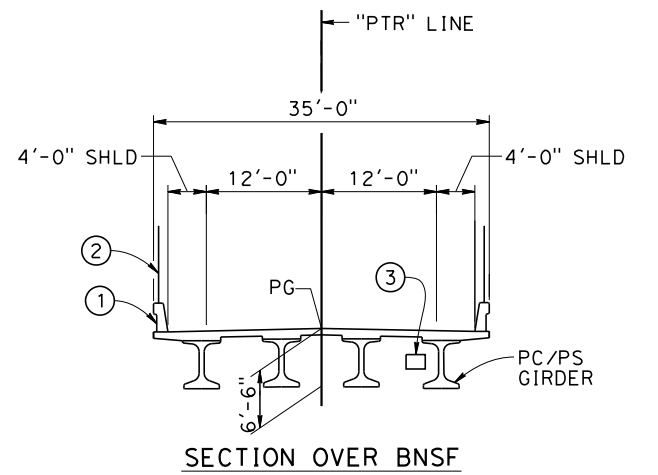
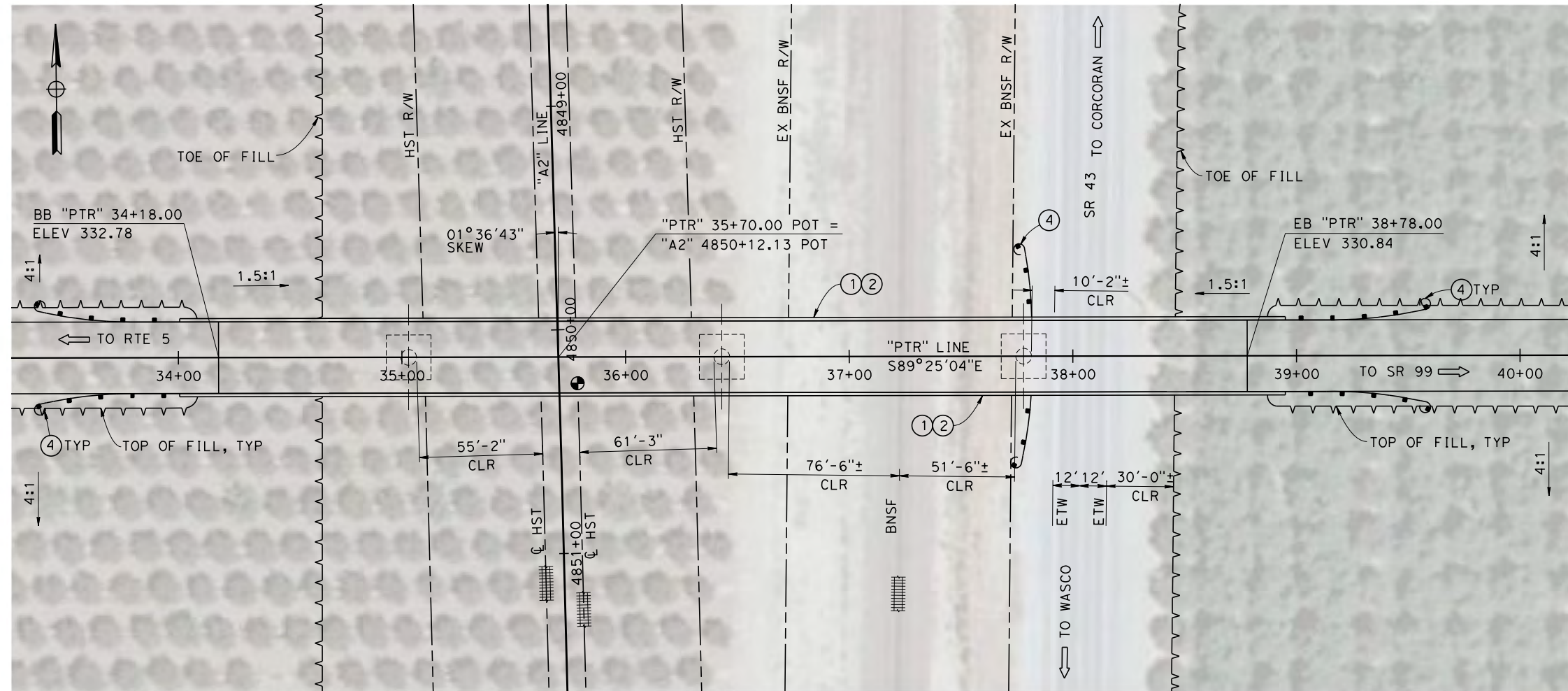
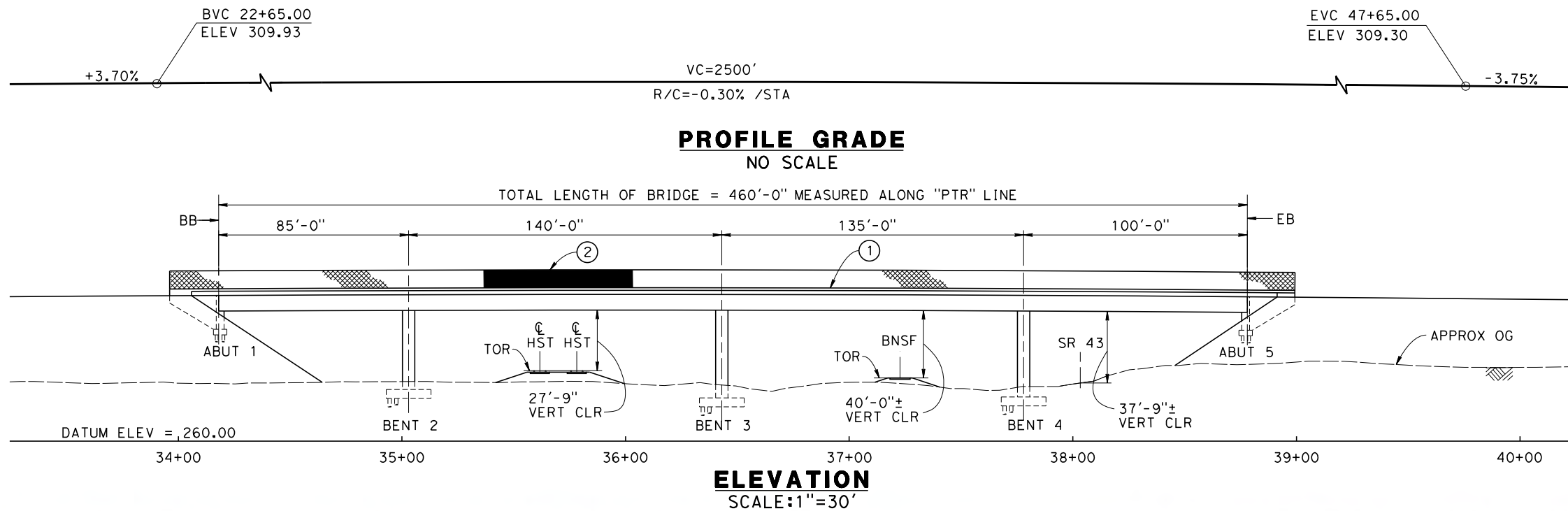


<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
OVERHEAD PLANNING STUDY
SCHUSTER RD

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2631
SCALE AS SHOWN
SHEET NO. 5 OF 6

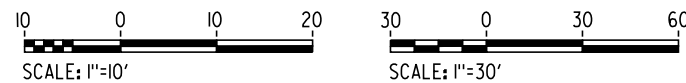


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- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- NOTES:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. ANDREWS
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

THROUGH ALLENSWORTH SUBSECTION  
ALIGNMENT A2  
OVERHEAD PLANNING STUDY  
PETERSON RD

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2641
SCALE AS SHOWN
SHEET NO. 6 OF 6



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
M. ANDREWS  
DRAWN BY  
D. BARNHART  
CHECKED BY  
B. LUSCOMBE  
IN CHARGE  
R. COFFIN  
DATE  
12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**  
  
**NOT FOR  
CONSTRUCTION**

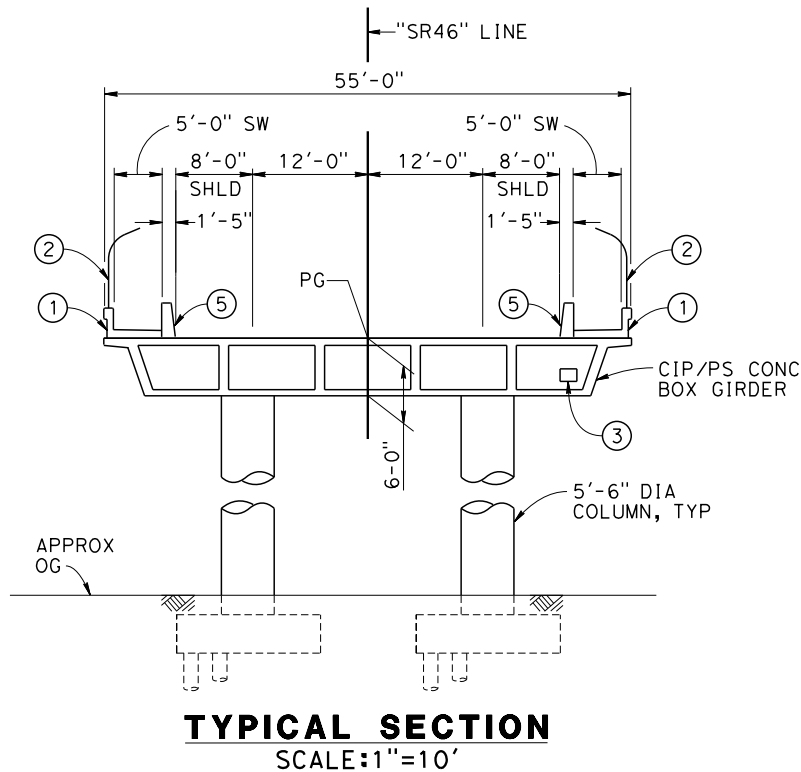
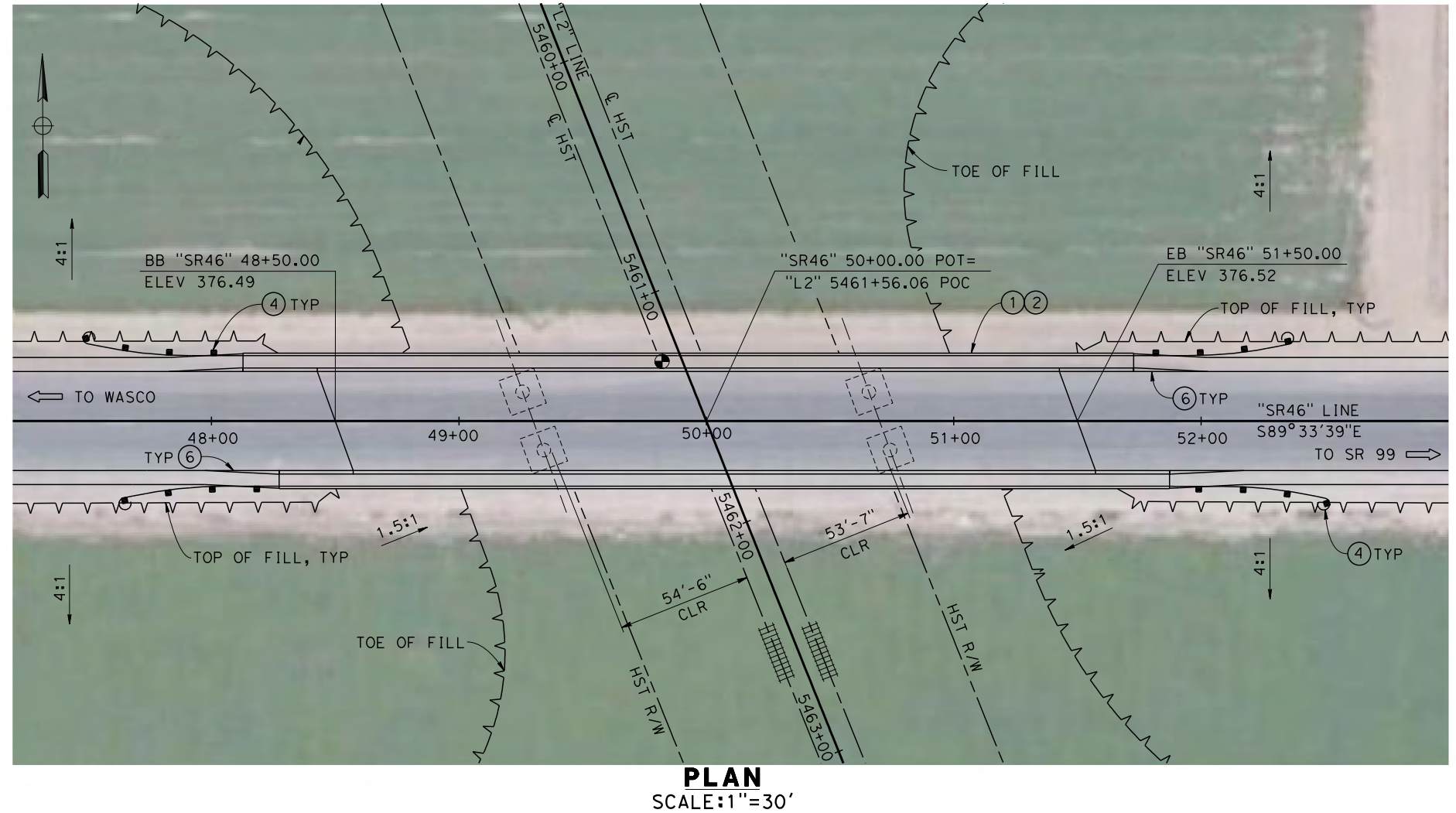
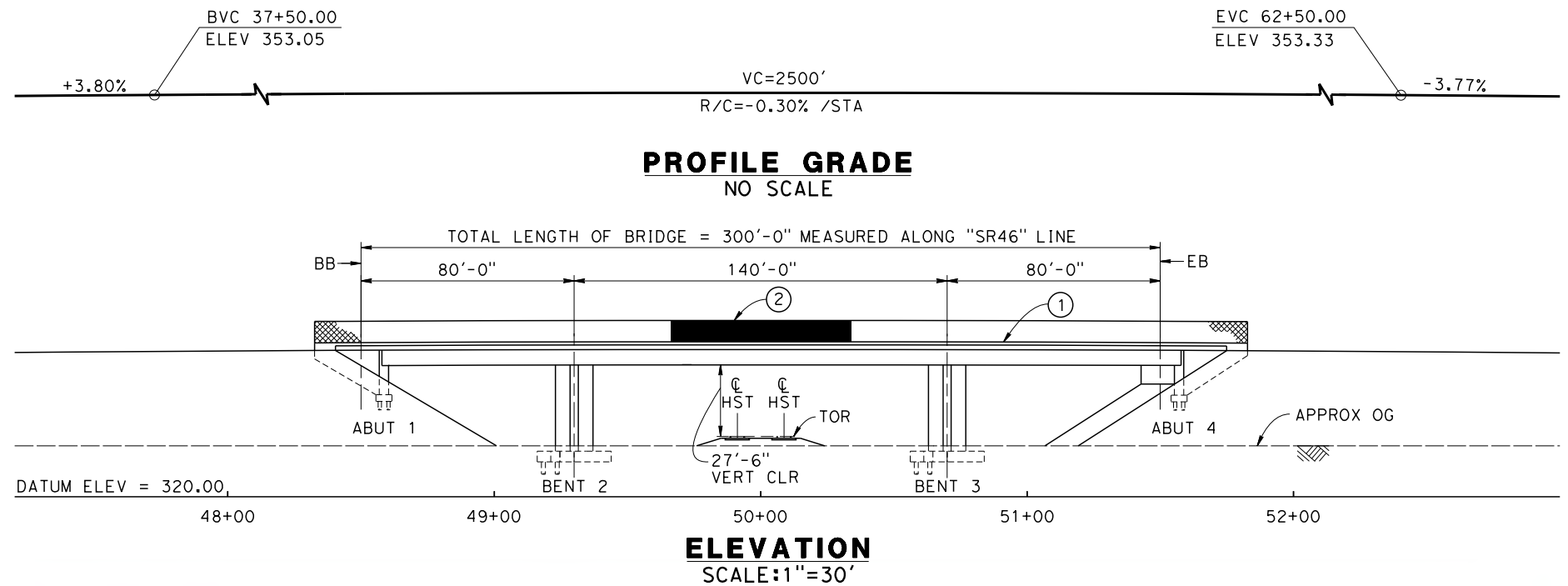


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
POSO CREEK SUBSECTION  
ALIGNMENT L2  
OVERHEAD PLANNING STUDY  
STATE ROUTE 46

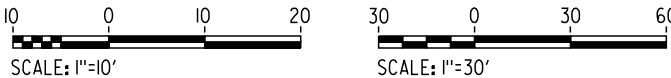
CONTRACT NO.  
HSR 06-0003  
DRAWING NO.  
SB0130  
SCALE  
AS SHOWN  
SHEET NO.  
1 OF 2



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- NOTES:
- 1 ALL PILES NOT SHOWN
  - 2 FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR
  - ⑤ CONCRETE BARRIER (TYPE 742 MODIFIED)
  - ⑥ CRASH CUSHION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. ANDREWS
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
POSO CREEK SUBSECTION
ALIGNMENT L2
OVERHEAD PLANNING STUDY
STATE ROUTE 46

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2751
SCALE AS SHOWN
SHEET NO. 2 OF 2



12/27/2013 12:22:33 PM BAR59603 CAHSR-r1.tbl CHSR\_PDF\_half\_black\_200dpi.ctb \\bar59603\external\hmm\external\bar59603\FB-SB-0150-L4.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
M. ANDREWS  
DRAWN BY  
D. BARNHART  
CHECKED BY  
B. LUSCOMBE  
IN CHARGE  
R. COFFIN  
DATE  
12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**  
  
**NOT FOR  
CONSTRUCTION**

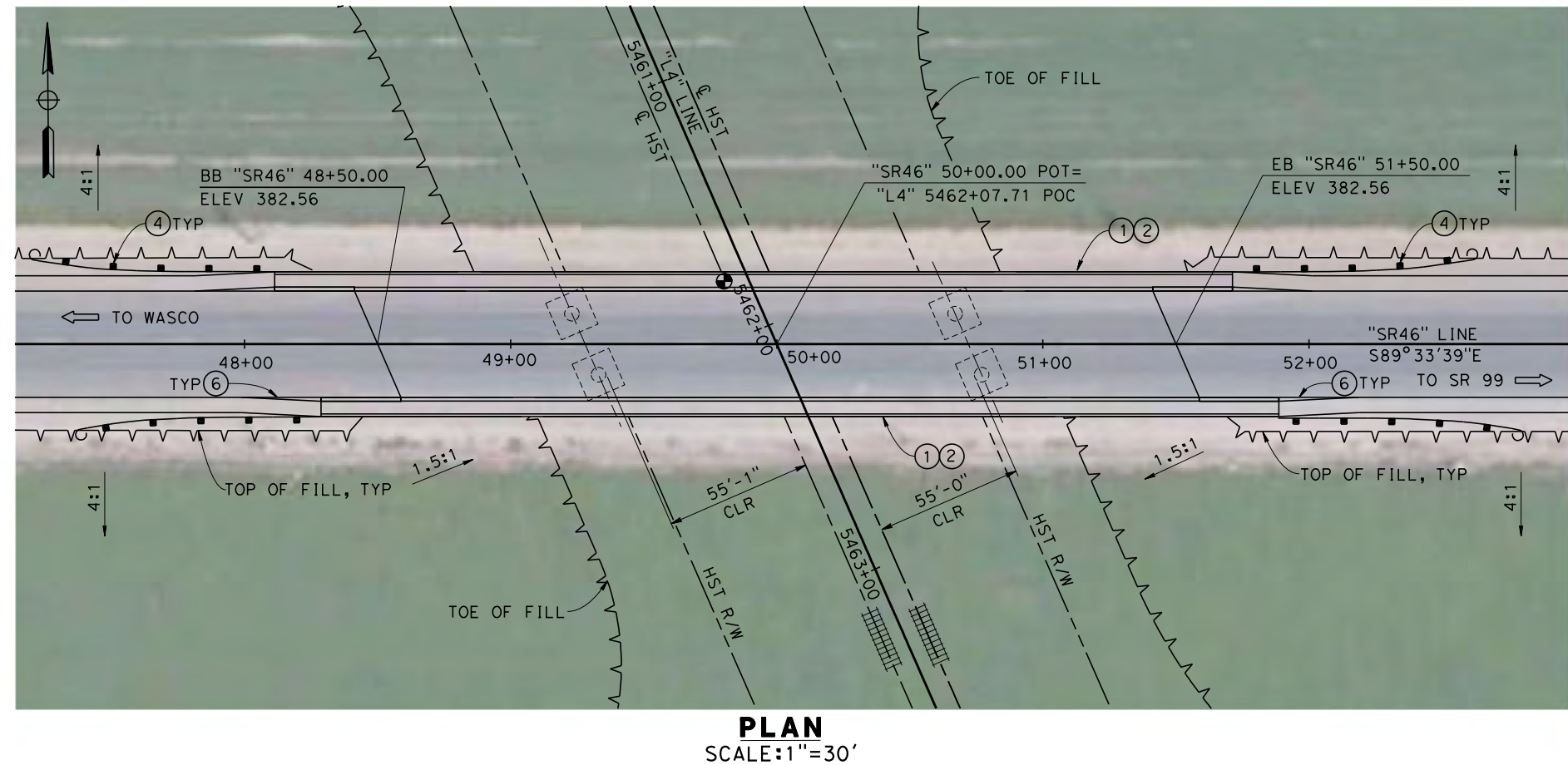
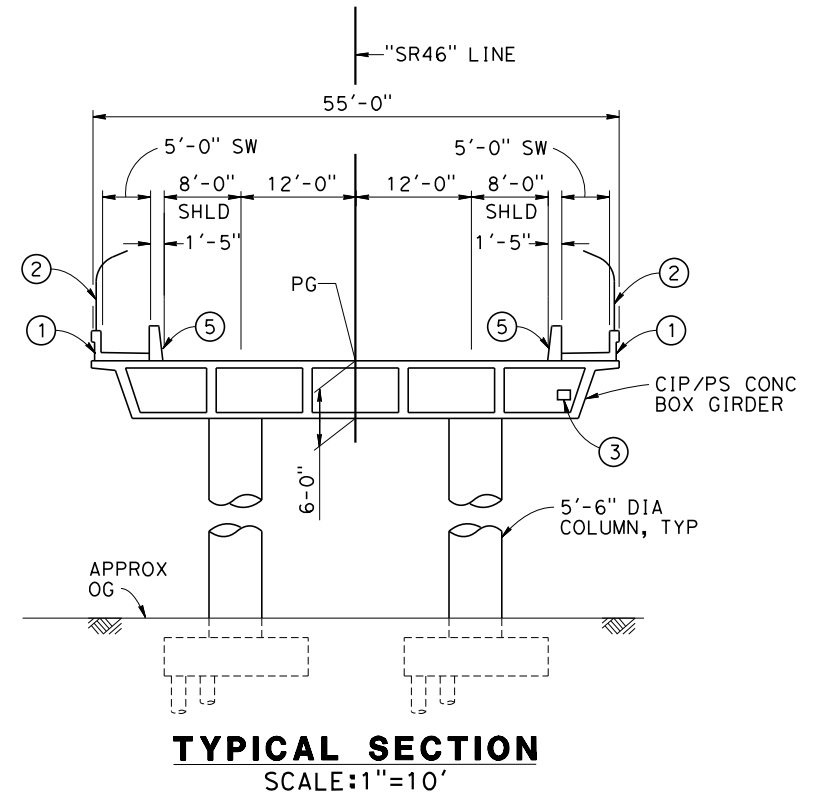
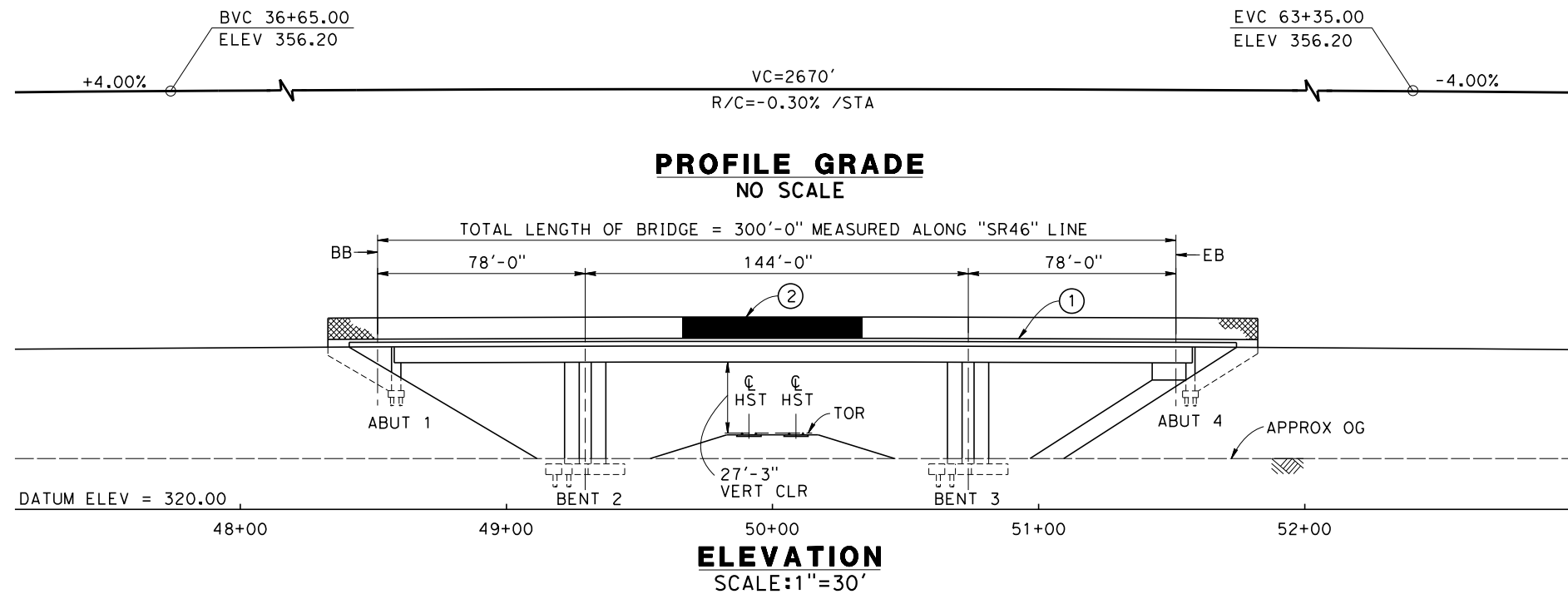


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
POSO CREEK SUBSECTION  
ALIGNMENT L4  
OVERHEAD PLANNING STUDY  
KEY MAP

CONTRACT NO.  
HSR 06-0003  
DRAWING NO.  
SB0150  
SCALE  
AS SHOWN  
SHEET NO.  
1 OF 2



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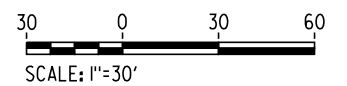
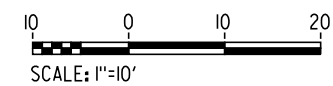


NOTES:

- ALL PILES NOT SHOWN
- FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- CONCRETE BARRIER WITH AR FENCE
- AR FENCE WITH SOLID PLATE OVER HST
- FUTURE UTILITY ENCASEMENT OPENING
- MBGR
- CONCRETE BARRIER
- CRASH CUSHION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. ANDREWS
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
POSO CREEK SUBSECTION
ALIGNMENT L4
OVERHEAD PLANNING STUDY
STATE ROUTE 46

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2851
SCALE AS SHOWN
SHEET NO. 2 OF 2



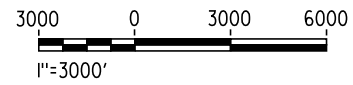
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**LEGEND**

--- EXISTING FREIGHT RAILROAD

— PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY D. BARNHART
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**

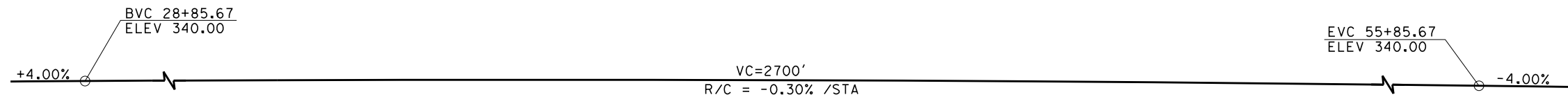


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

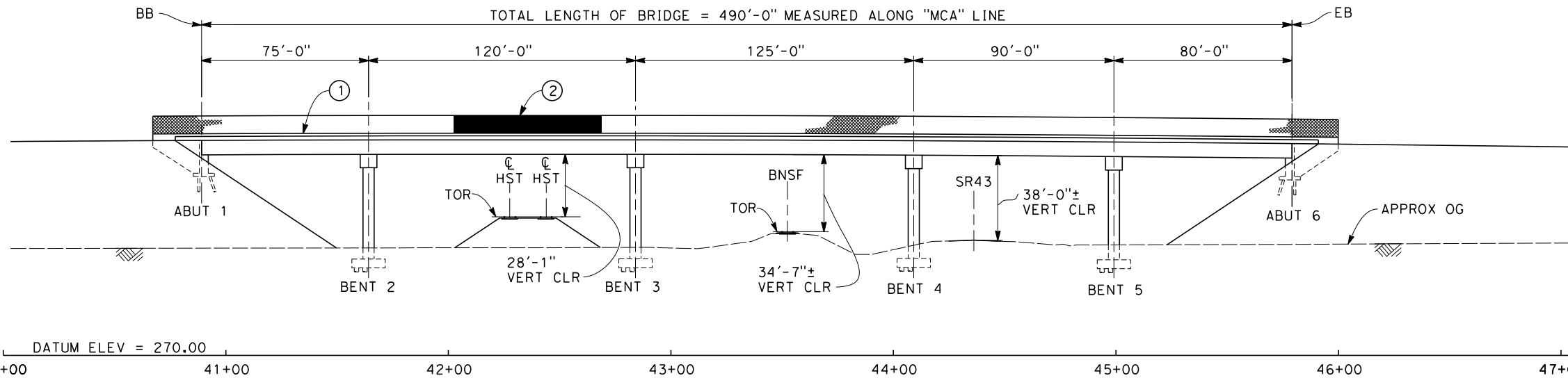
WASCO-SHAFTER SUBSECTION  
ALIGNMENT WS1  
OVERHEAD PLANNING STUDY  
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. SB0170
SCALE AS SHOWN
SHEET NO. 1 OF 14

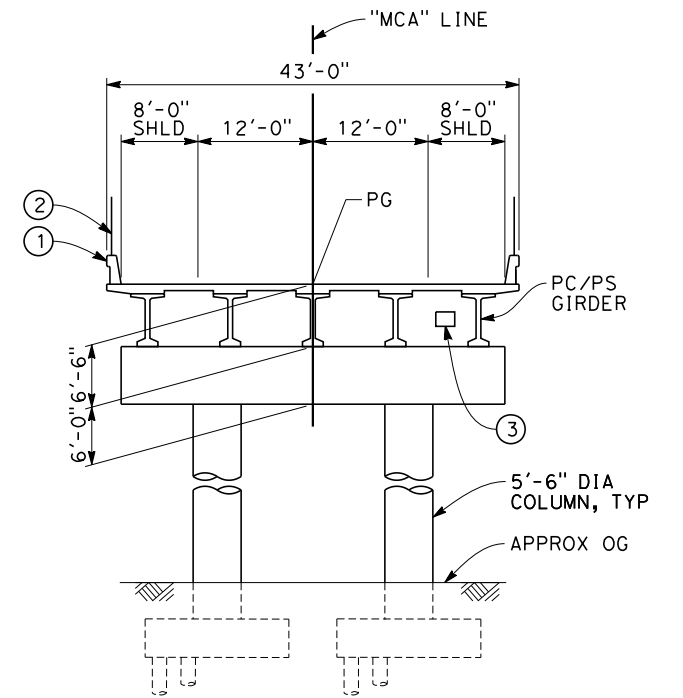




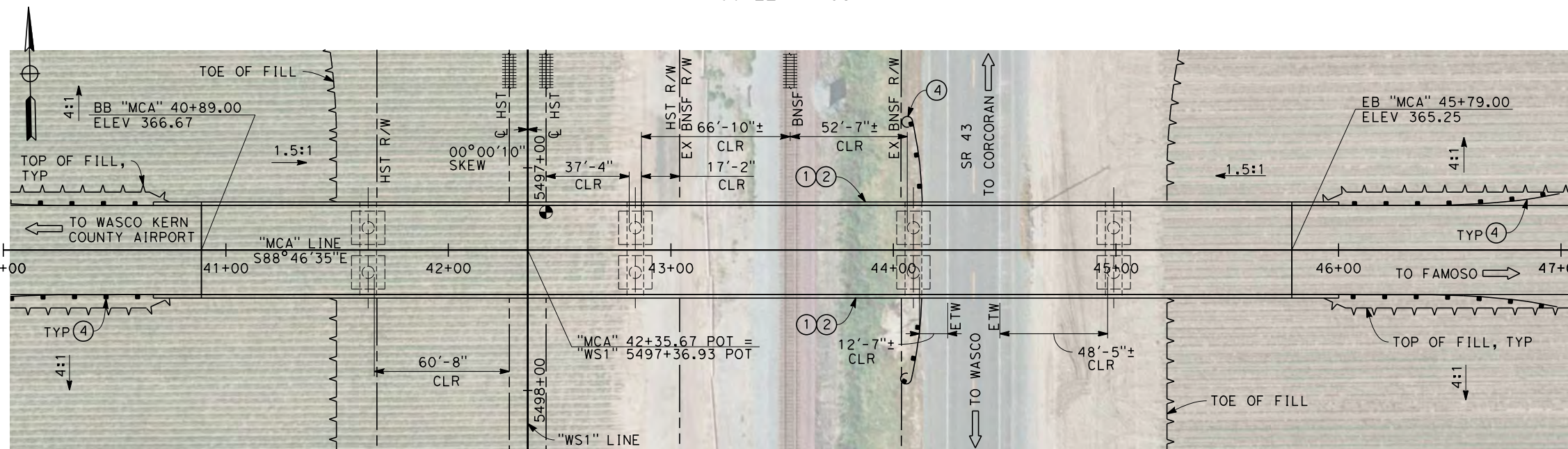
**PROFILE GRADE**  
NO SCALE



**ELEVATION**  
SCALE: 1"=30'



**TYPICAL SECTION**  
SCALE: 1"=10'

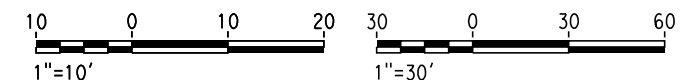


**PLAN**  
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- (1) CONCRETE BARRIER WITH AR FENCE
- (2) AR FENCE WITH SOLID PLATE OVER HST
- (3) FUTURE UTILITY ENCASEMENT OPENING
- (4) MBGR



12/20/2013 3:56:49 PM c:\pwworking\hmm\external\and52110\dms86725\FB-ST-2900-WS1.dgn AND52110

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

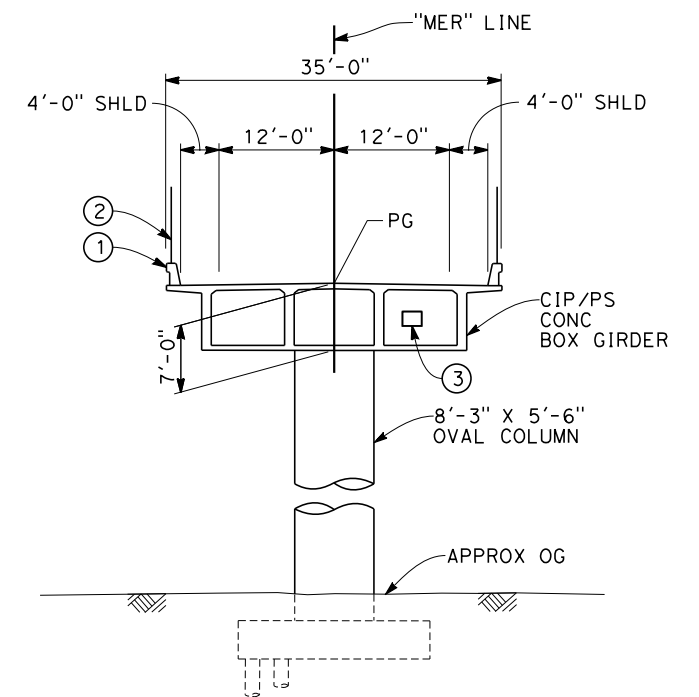
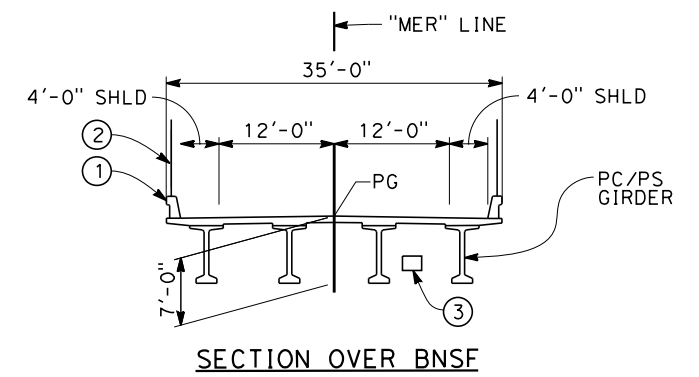
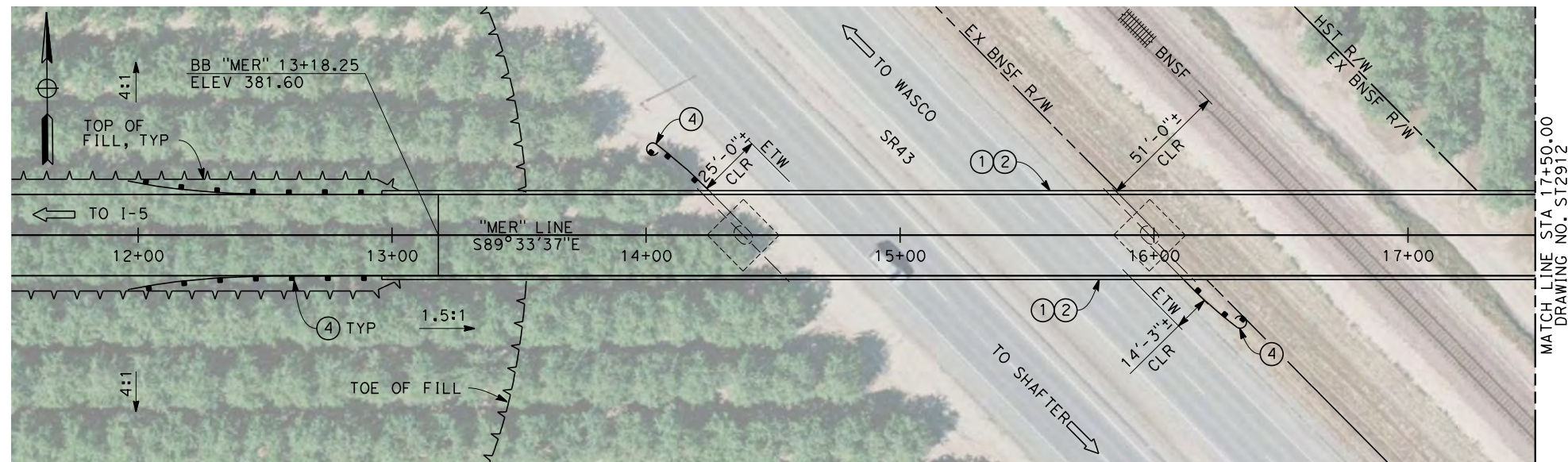
<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>
THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 OVERHEAD PLANNING STUDY MCCOMBS AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2900
SCALE AS SHOWN
SHEET NO. 2 OF 14

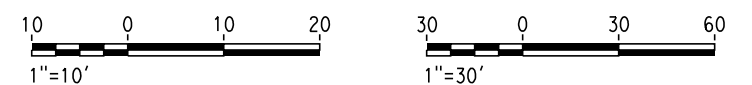




**TYPICAL SECTION**  
SCALE: 1"=10'

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR
- ⑤ RETAINING WALL



AND52110 12/20/2013 4:00:44 PM c:\pwworking\hmm\external\and52110\dms86725\FB-ST-2911-WS1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

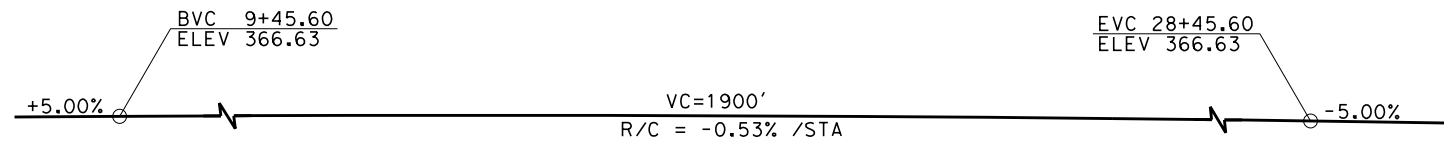
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
THROUGH WASCO-SHAFTER SUBSECTION  
ALIGNMENT WS1  
OVERHEAD PLANNING STUDY  
MERCED AVE

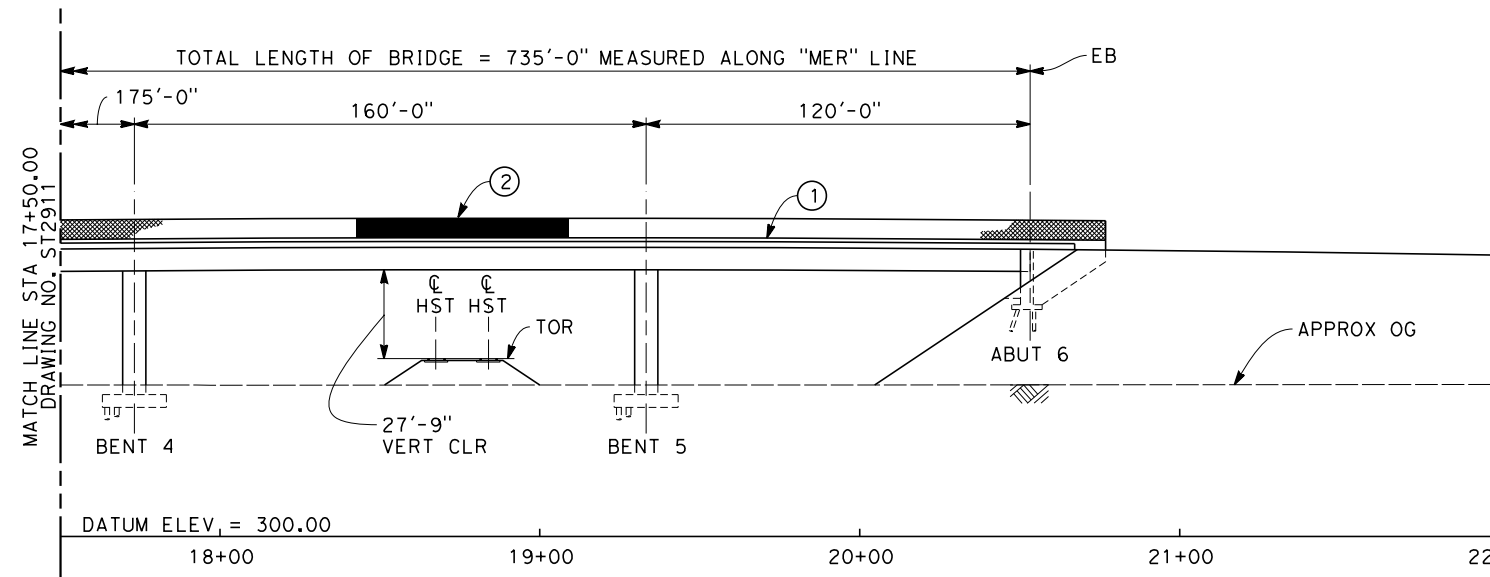
CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2911
SCALE	AS SHOWN
SHEET NO.	3 OF 14



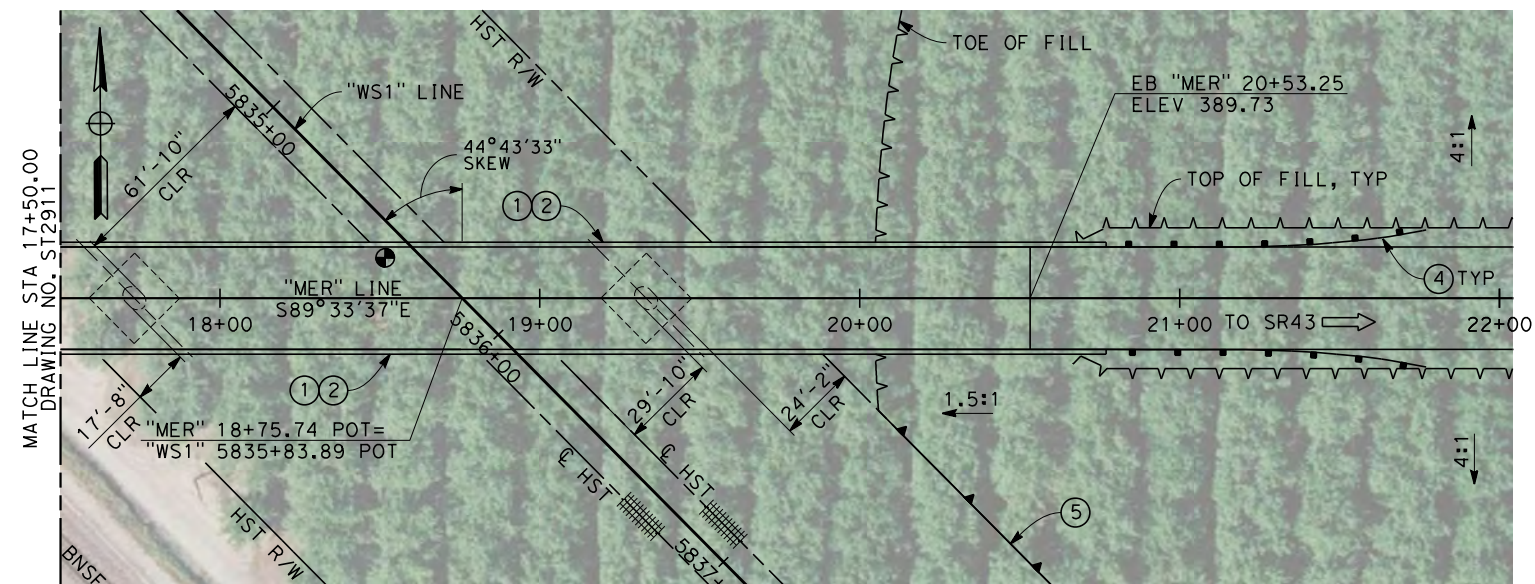


**PROFILE GRADE**  
NO SCALE

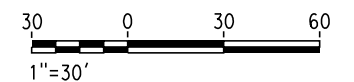
FOR NOTES AND LEGEND,  
SEE SHEET ST2911






**ELEVATION**  
SCALE: 1"=30'

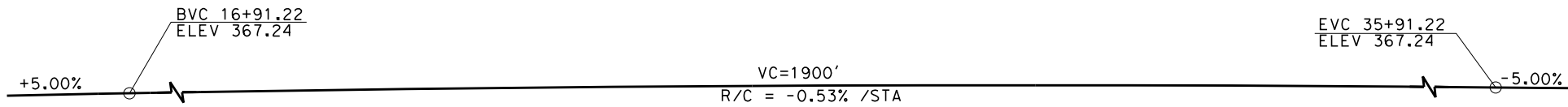


**PLAN**  
SCALE: 1"=30'

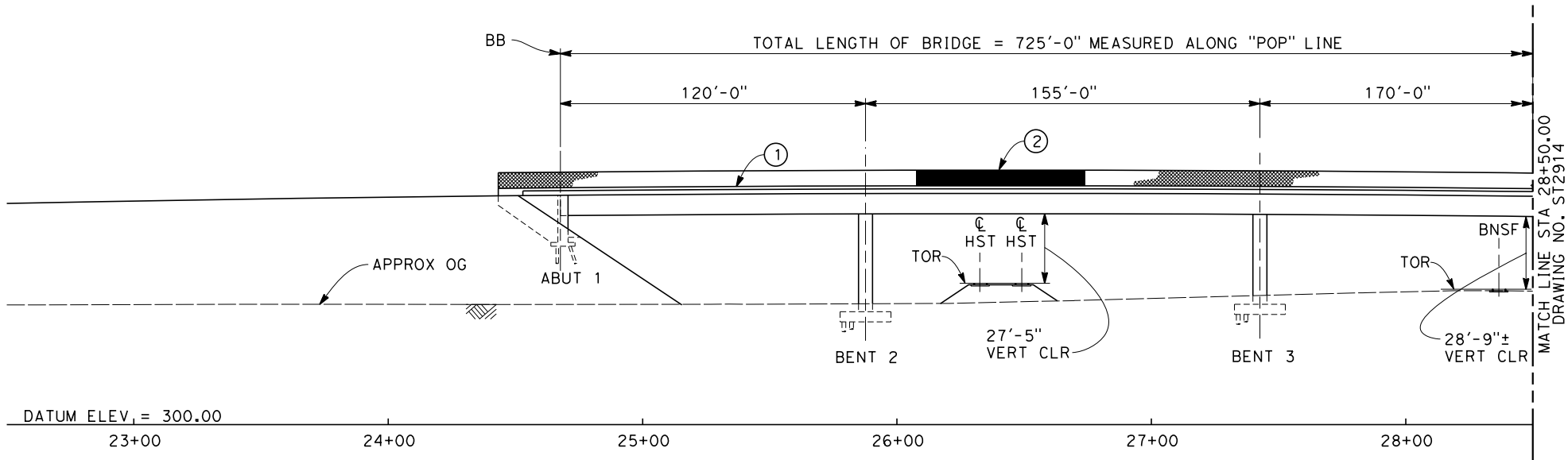


						DESIGNED BY L. SMITH DRAWN BY T. PRETZER CHECKED BY E. MORAN IN CHARGE R. COFFIN DATE 12/31/13	<b>RECORD SET 15% DESIGN SUBMISSION</b>  <b>NOT FOR CONSTRUCTION</b>	 	 <b>CALIFORNIA</b> HIGH-SPEED RAIL AUTHORITY	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b> THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 OVERHEAD PLANNING STUDY MERCED AVE	CONTRACT NO. HSR 06-0003 DRAWING NO. ST2912 SCALE AS SHOWN SHEET NO. 4 OF 14
REV	DATE	BY	CHK	APP	DESCRIPTION						

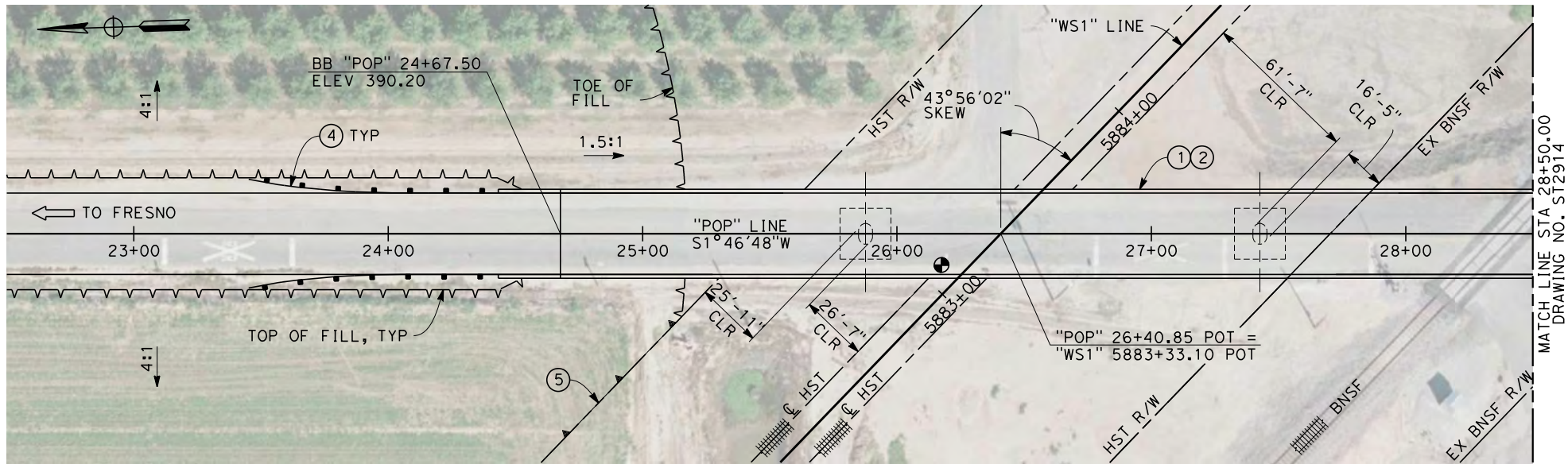




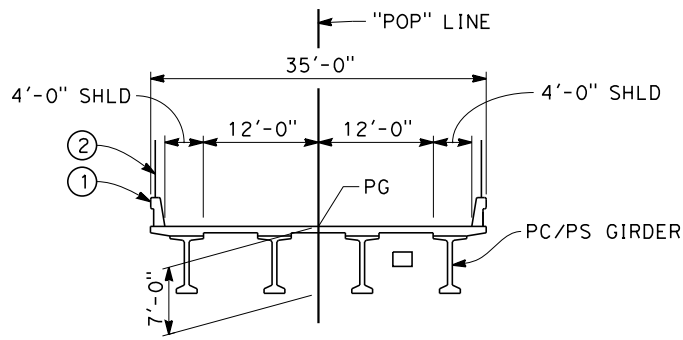
PROFILE GRADE  
NO SCALE



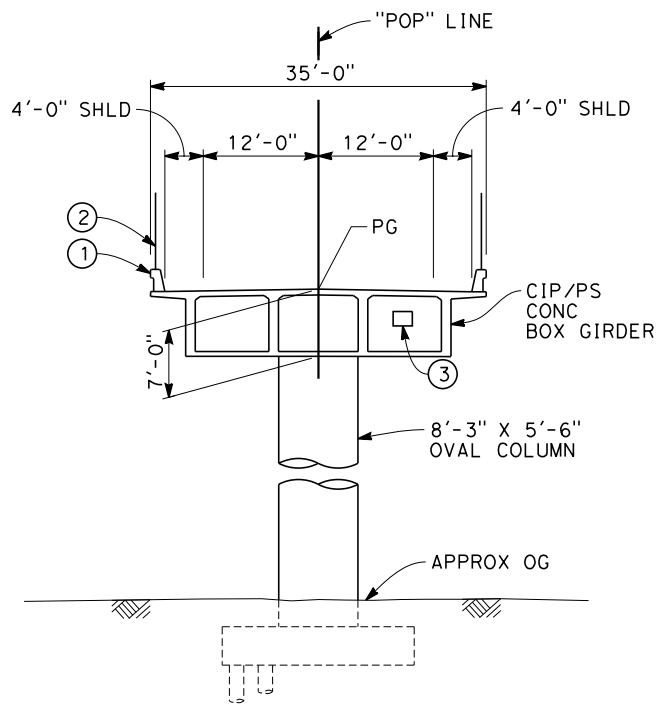
ELEVATION  
SCALE: 1"=30'



PLAN  
SCALE: 1"=30'



SECTION OVER BNSF

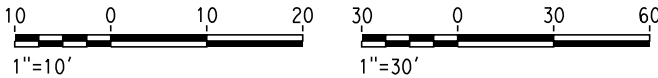


TYPICAL SECTIONS  
SCALE: 1"=10'

- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR
- ⑤ RETAINING WALL



12/20/2013 10:38:01 AM c:\pwworking\hmm\external\and52110\dms86725\FB-ST-2913-WS1.dgn

AND52110

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

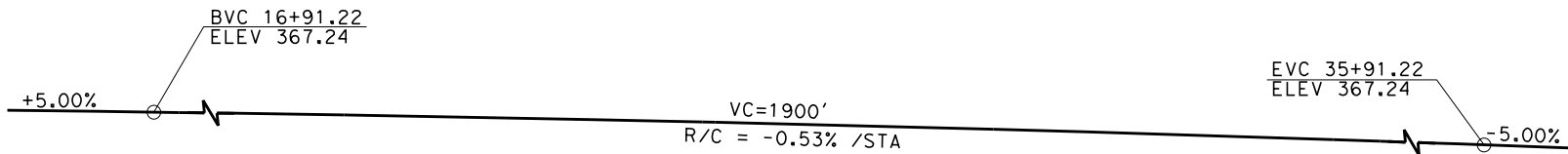
RECORD SET 15%  
DESIGN SUBMISSION  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD  
THROUGH WASCO-SHAFTER SUBSECTION  
ALIGNMENT WS1  
OVERHEAD PLANNING STUDY  
POPLAR AVE

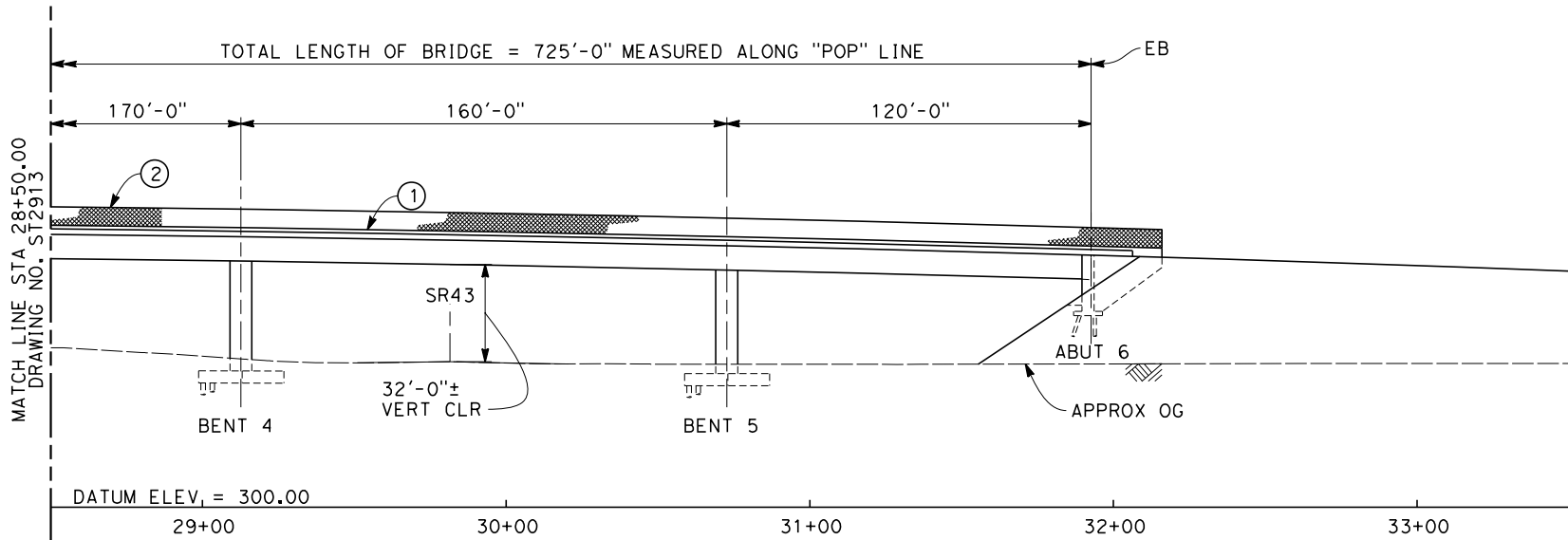
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2913
SCALE AS SHOWN
SHEET NO. 5 OF 14



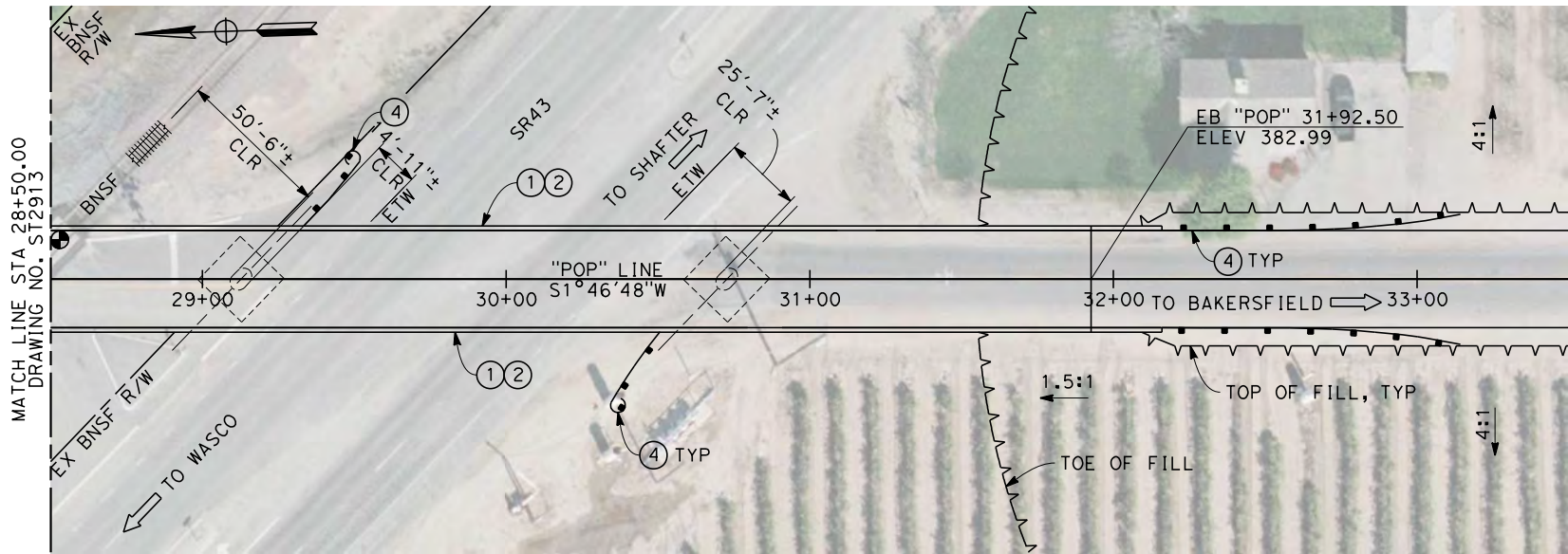


**PROFILE GRADE**  
NO SCALE

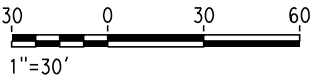
FOR NOTES AND LEGEND,  
SEE SHEET ST2913



**ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**

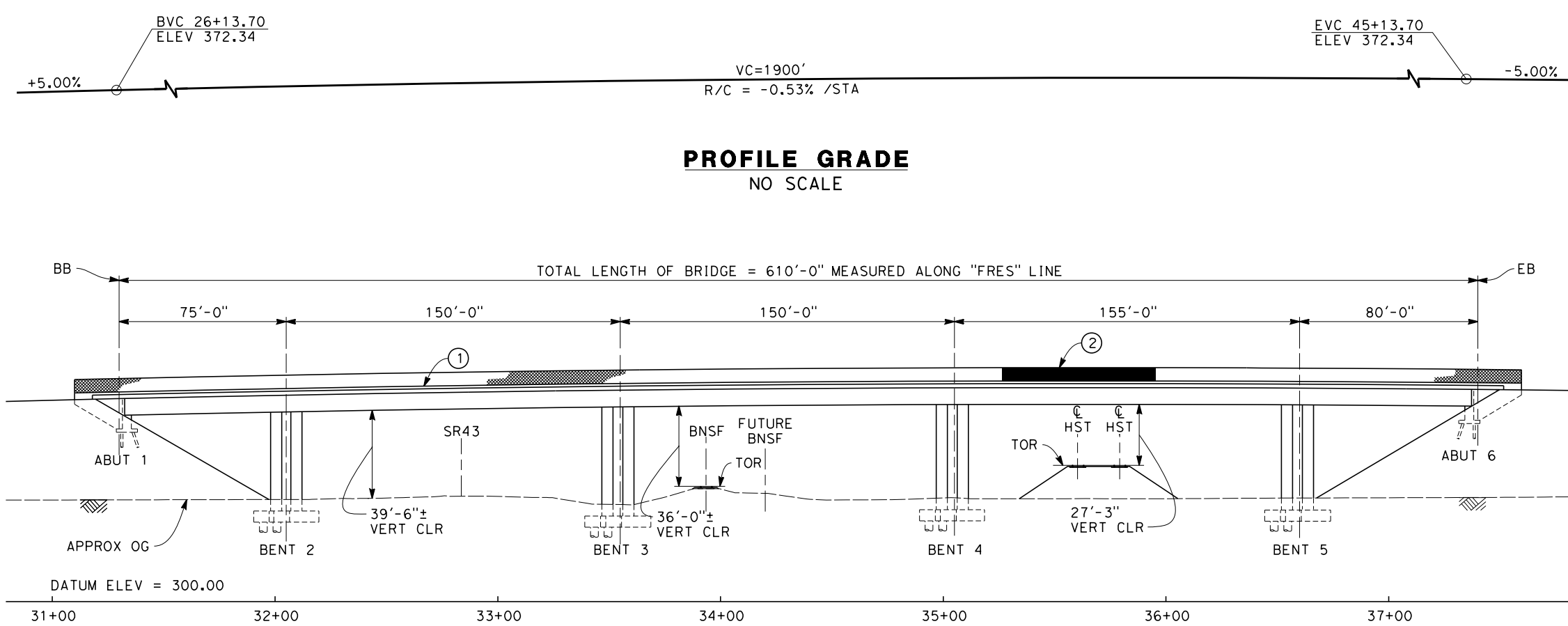


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

THROUGH WASCO-SHAFTER SUBSECTION  
ALIGNMENT WS1  
OVERHEAD PLANNING STUDY  
POPLAR AVE

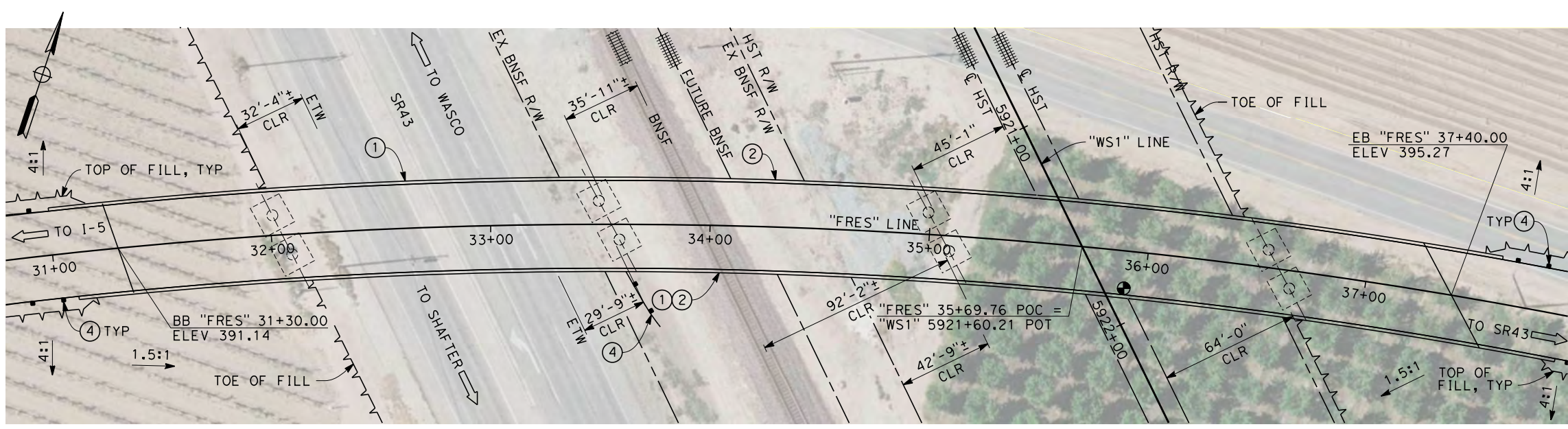
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2914
SCALE AS SHOWN
SHEET NO. 6 OF 14



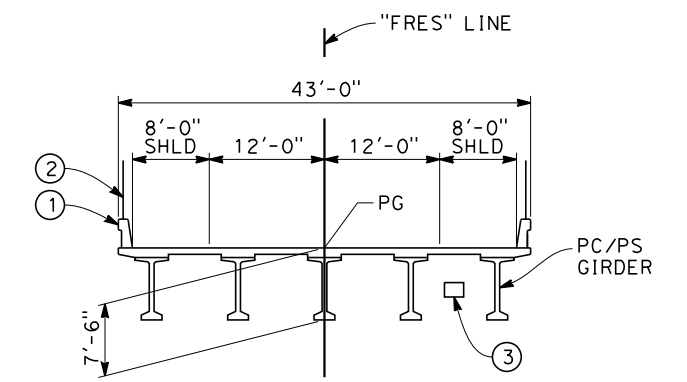


**PROFILE GRADE**  
NO SCALE

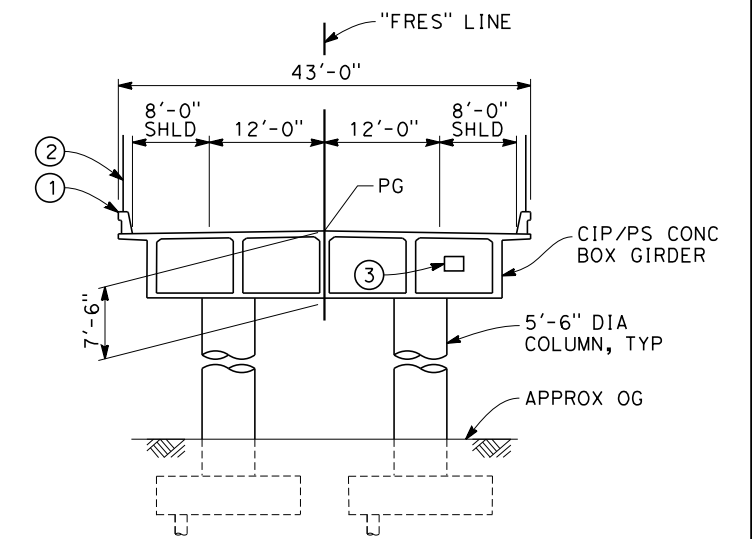
**ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'



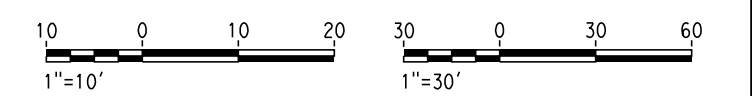
**SECTION OVER BNSF**





**TYPICAL SECTION**  
SCALE: 1"=10'

- NOTES:
1. ALL PILES NOT SHOWN.
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



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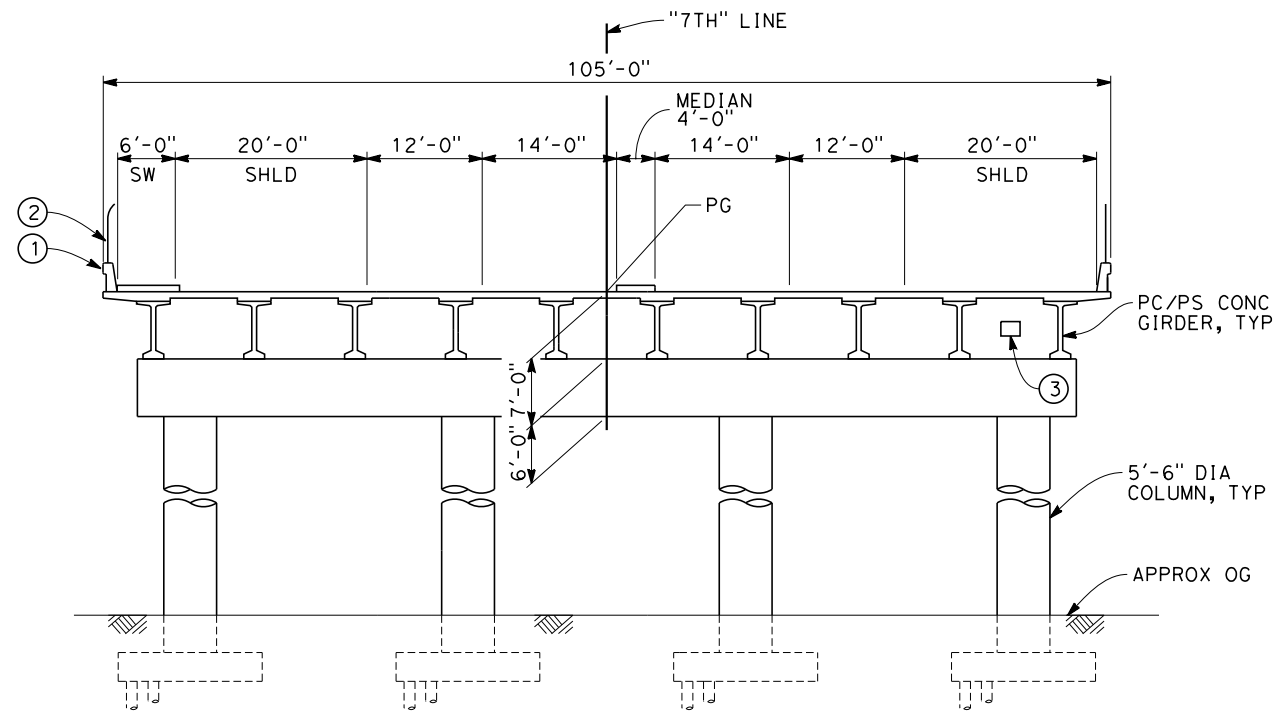
						DESIGNED BY L. SMITH	<b>RECORD SET 15% DESIGN SUBMISSION</b>  <b>NOT FOR CONSTRUCTION</b>	 	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b> THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 OVERHEAD PLANNING STUDY FRESNO AVE	CONTRACT NO. HSR 06-0003
						DRAWN BY T. PRETZER				DRAWING NO. ST2915
						CHECKED BY E. MORAN				SCALE AS SHOWN
						IN CHARGE R. COFFIN				SHEET NO. 7 OF 14
						DATE 12/31/13				
REV	DATE	BY	CHK	APP	DESCRIPTION					





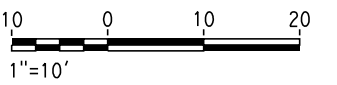


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**TYPICAL SECTION**  
SCALE: 1"=10'

FOR NOTES AND LEGEND,  
SEE SHEET ST2917



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>

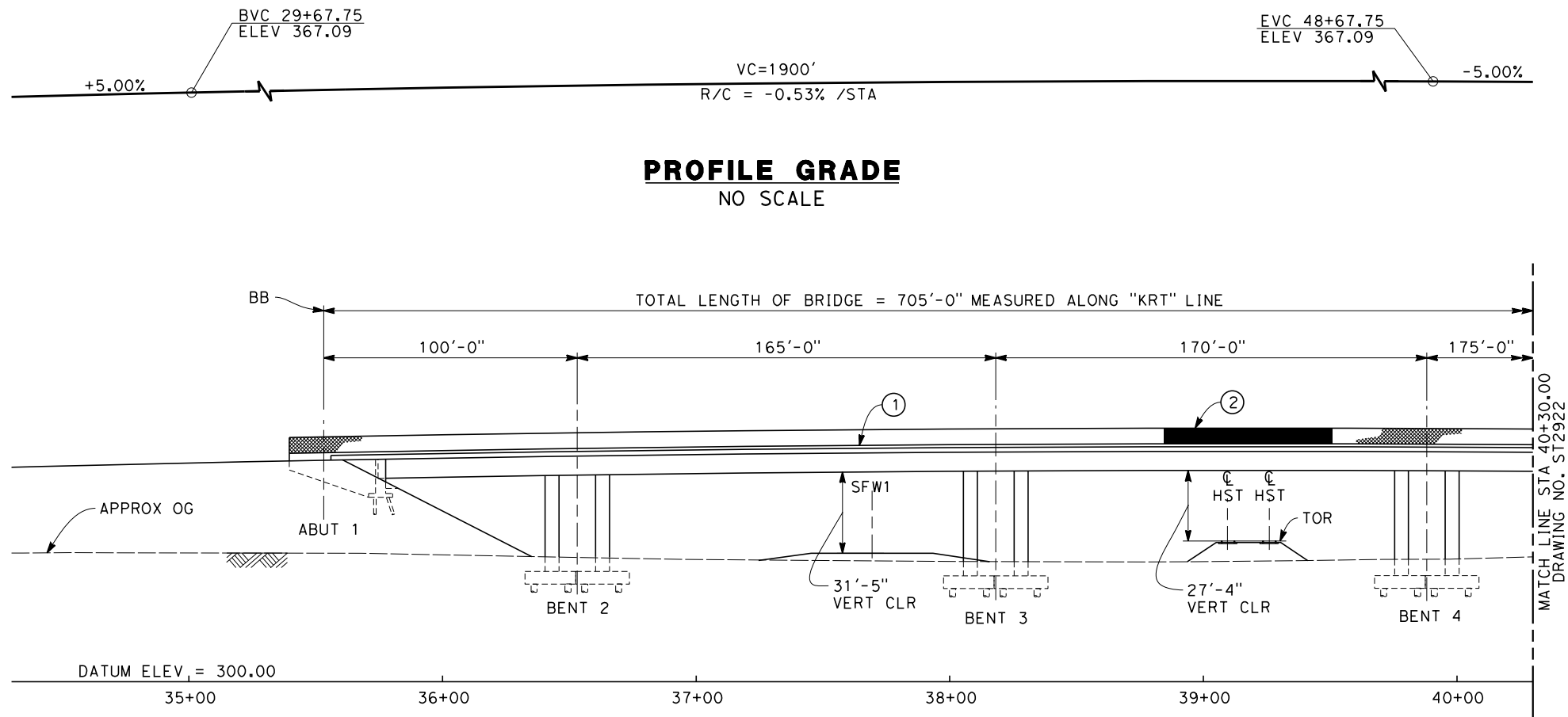


<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>
THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 TYPICAL SECTIONS 7TH STANDARD RD

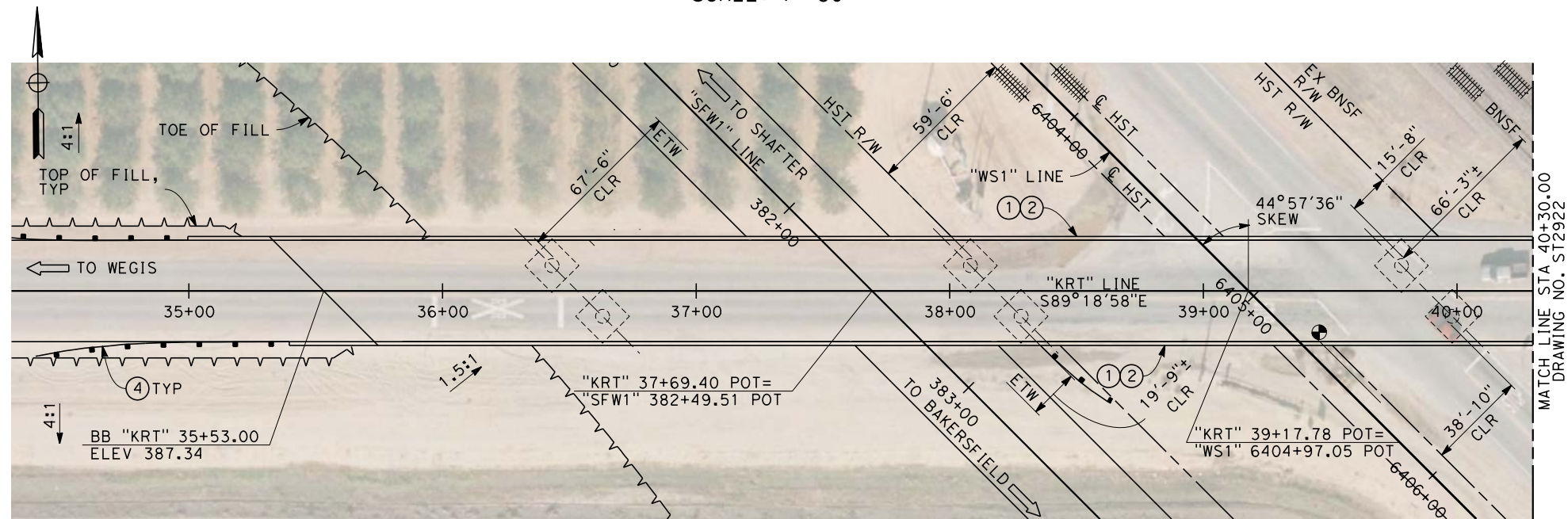
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2918
SCALE AS SHOWN
SHEET NO. 11 OF 14



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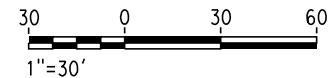
**ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



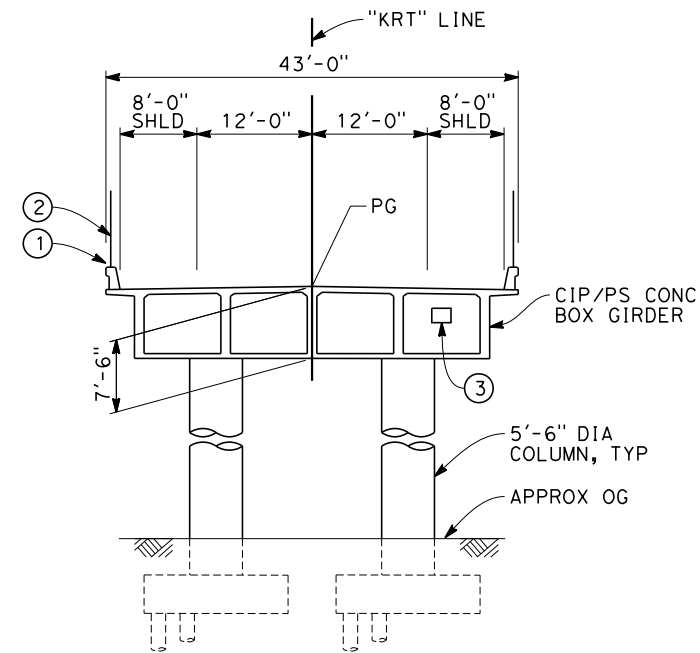
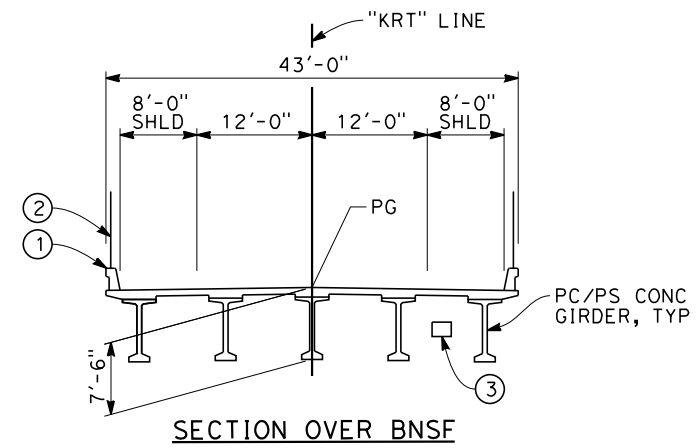
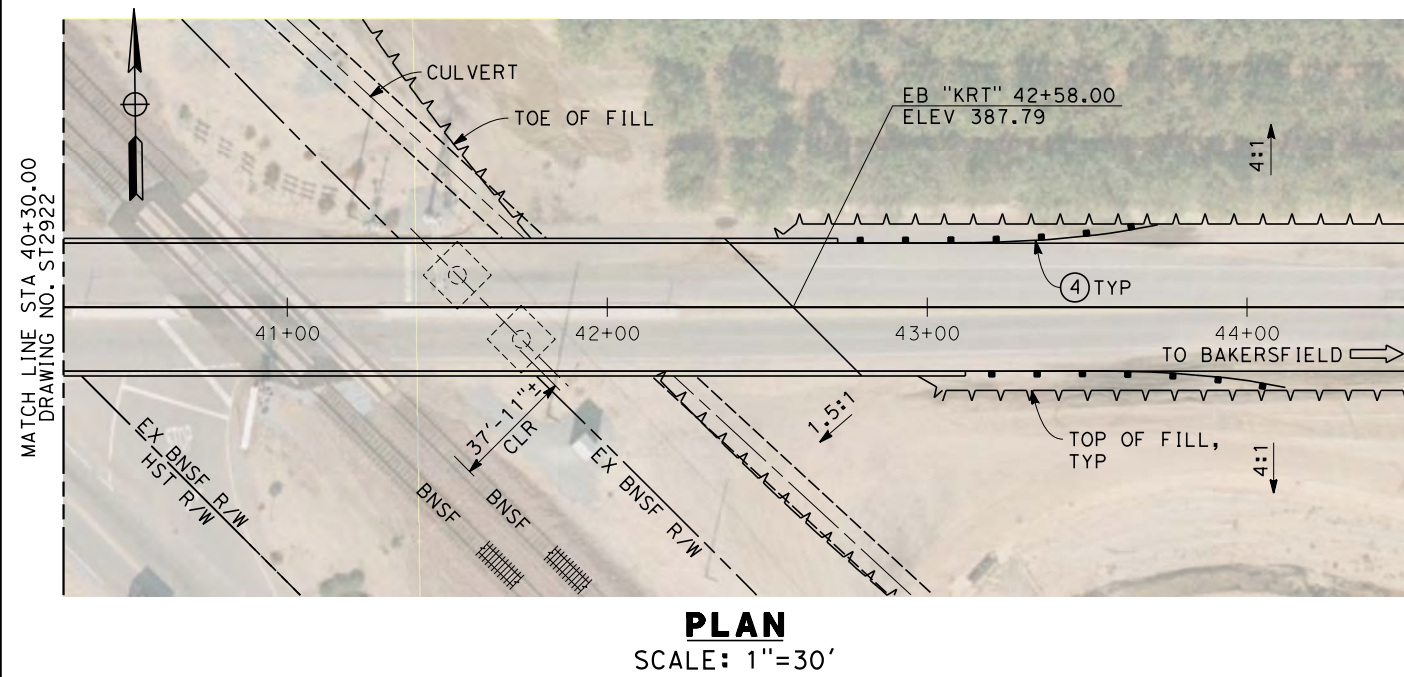
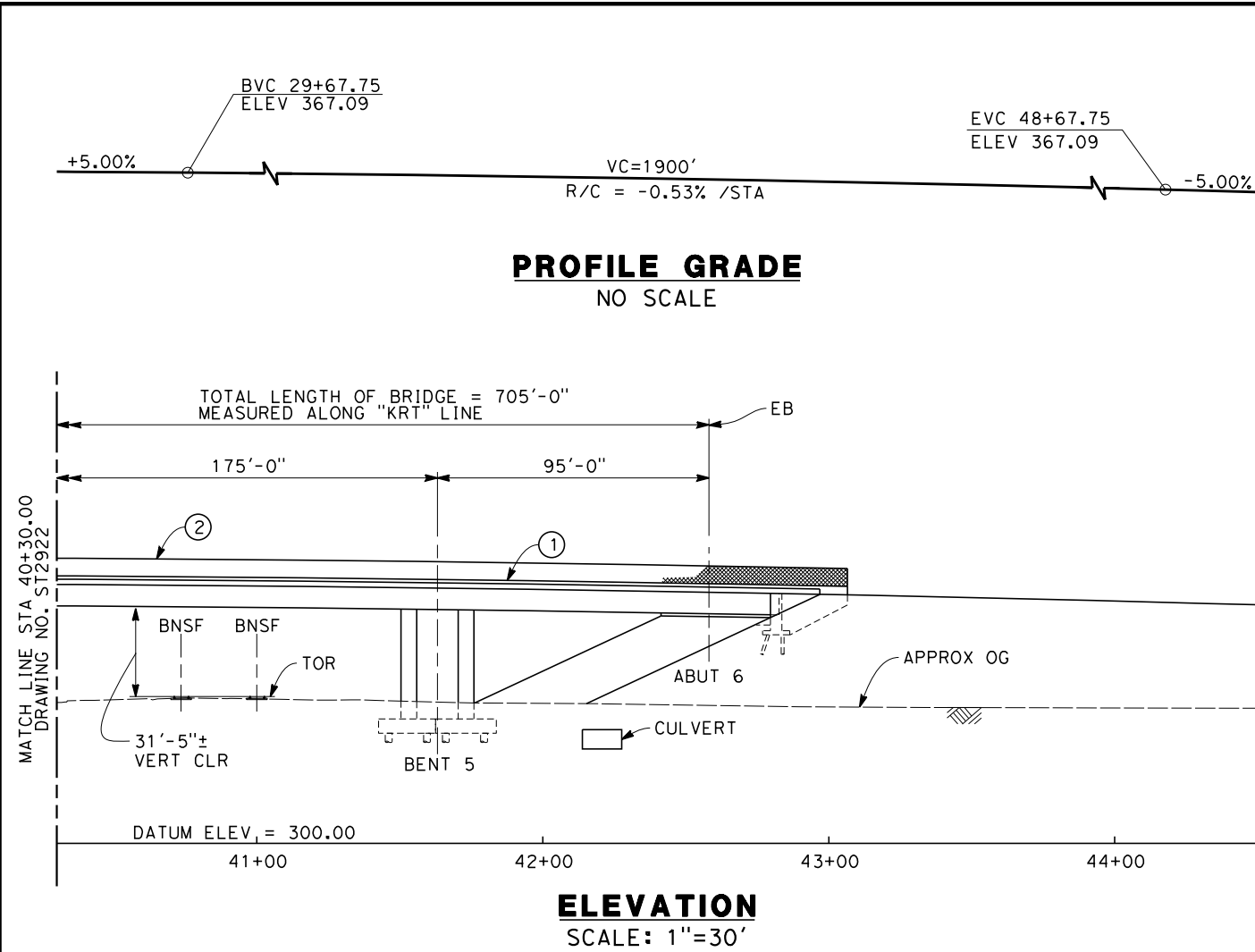
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

THROUGH WASCO-SHAFTER SUBSECTION  
ALIGNMENT WS1  
OVERHEAD PLANNING STUDY  
KRATZMEYER RD

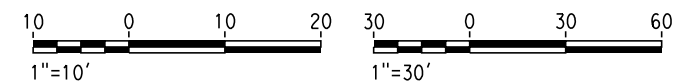
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2921
SCALE AS SHOWN
SHEET NO. 12 OF 14



12/20/2013 4:44:26 PM c:\pwworking\hmm\external\and52110\dms86725\FB-ST-2922-WS1.dgn AND52110



FOR NOTES AND LEGEND,  
SEE SHEET ST2921



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

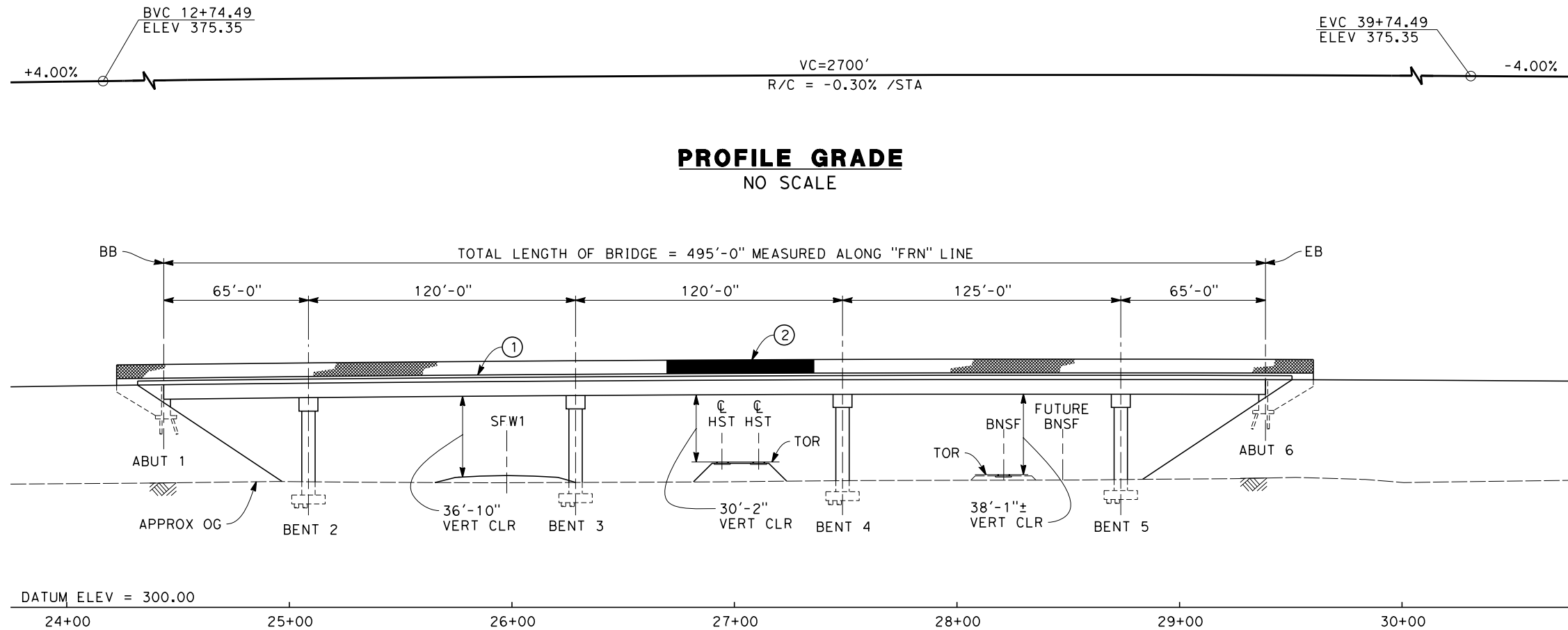
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<b>NOT FOR CONSTRUCTION</b>



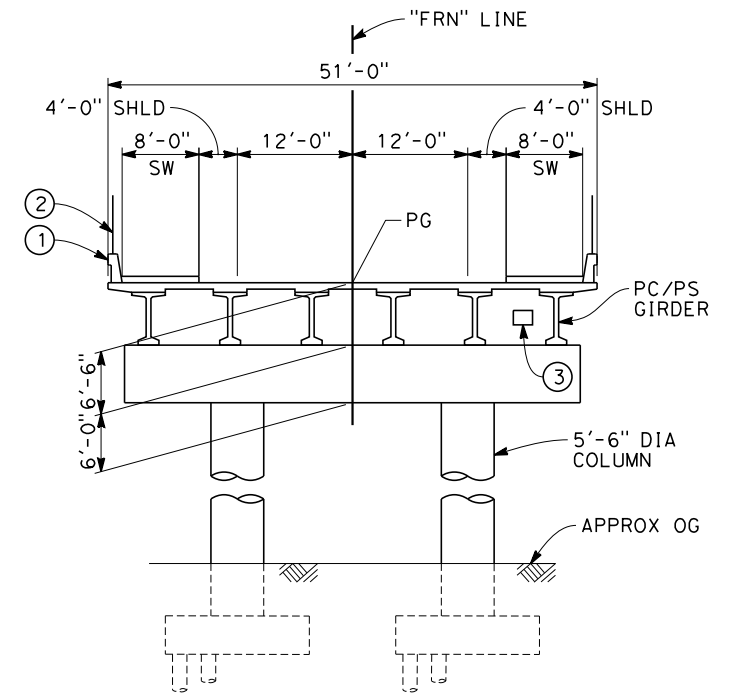
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THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 OVERHEAD PLANNING STUDY KRATZMEYER RD

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2922
SCALE AS SHOWN
SHEET NO. 13 OF 14

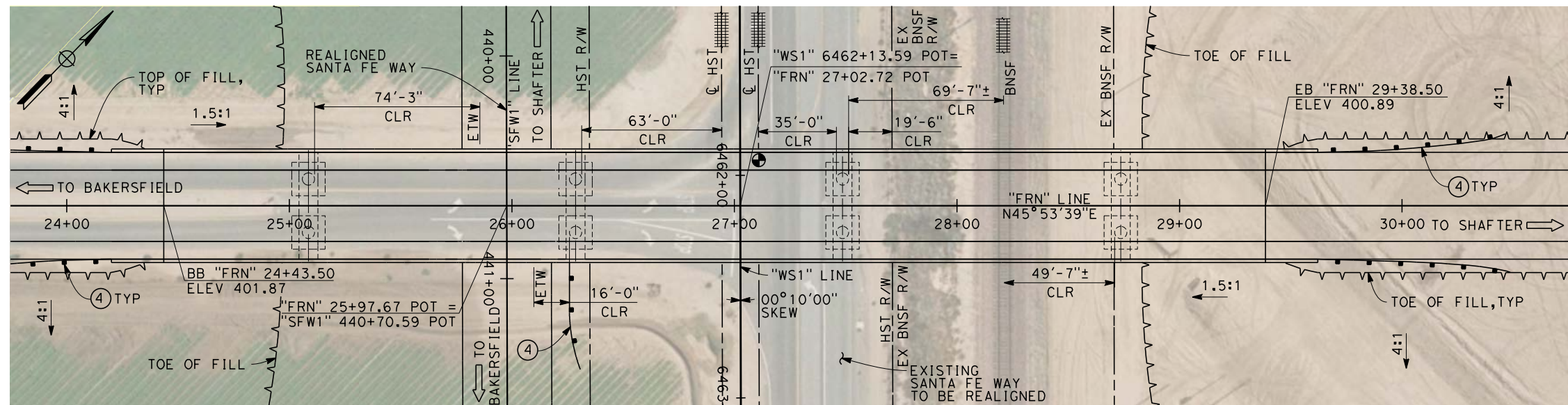




**ELEVATION**  
SCALE: 1"=30'



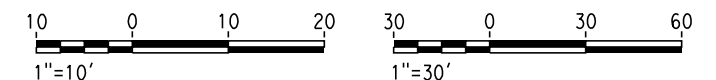
**TYPICAL SECTION**  
SCALE: 1"=10'



**PLAN**  
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



12/20/2013 4:48:27 PM c:\pwworking\hmm\external\and52110\dms86725\FB-ST-2925-WS1.dgn AND52110

REV	DATE	BY	CHK	APP	DESCRIPTION

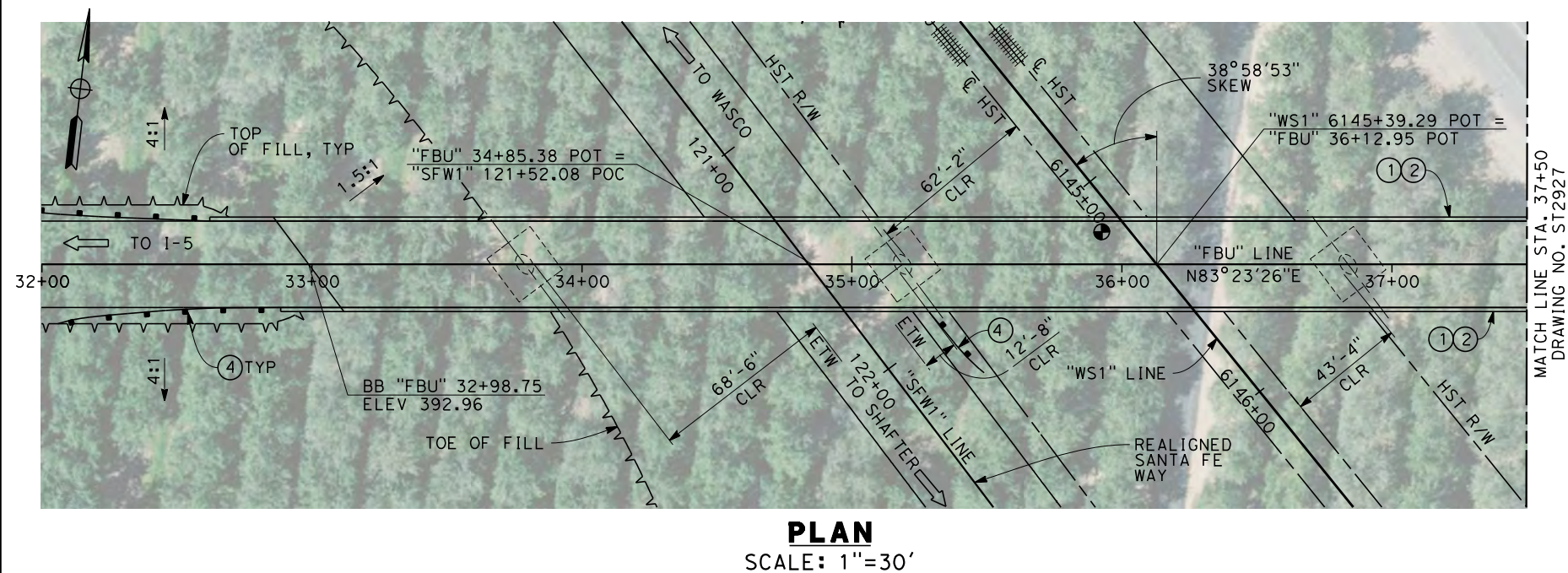
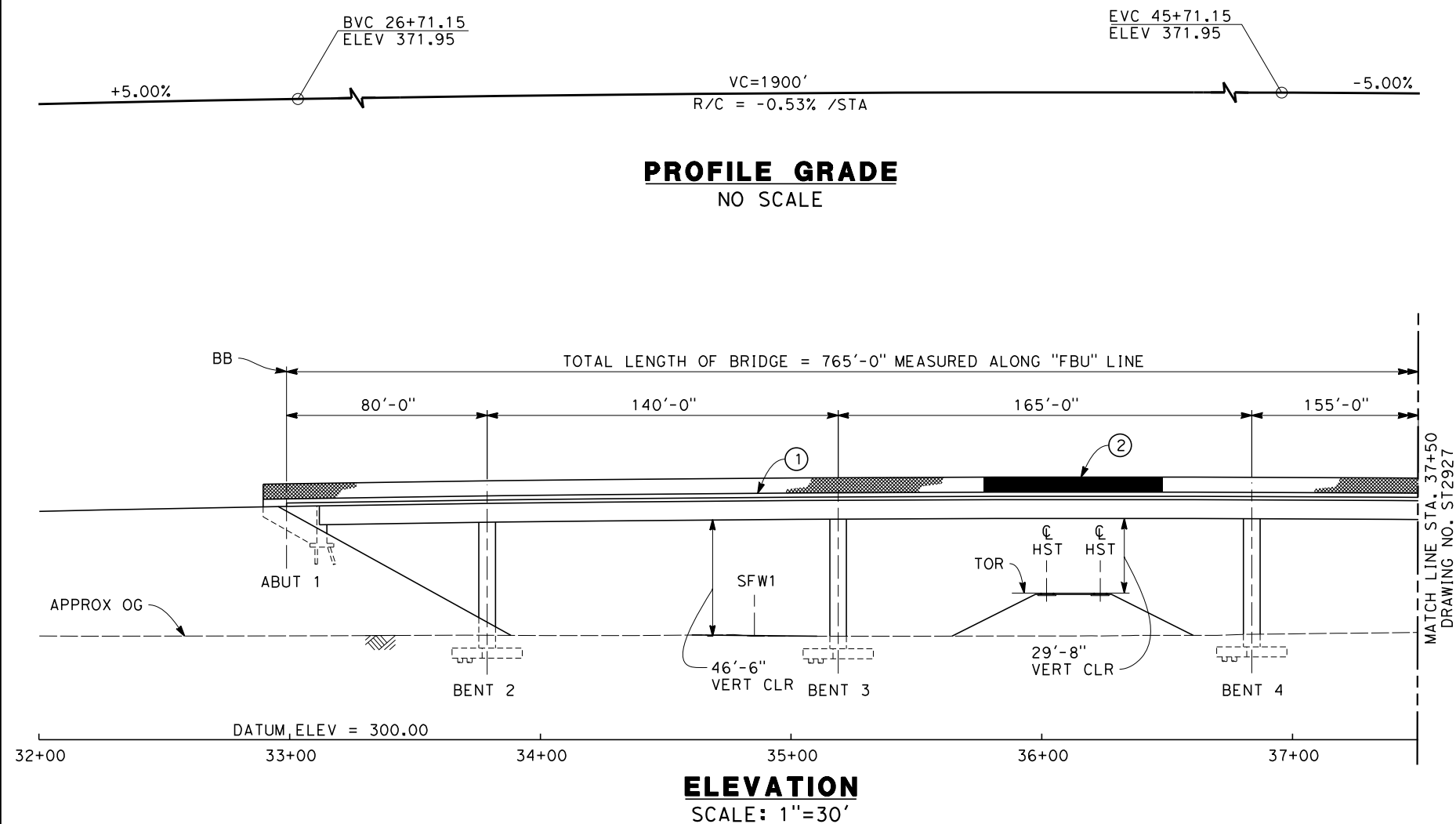
DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



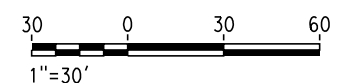
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THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1	DRAWING NO. ST2925
OVERHEAD PLANNING STUDY RENFRO RD	SCALE AS SHOWN
	SHEET NO. 14 OF 14





- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

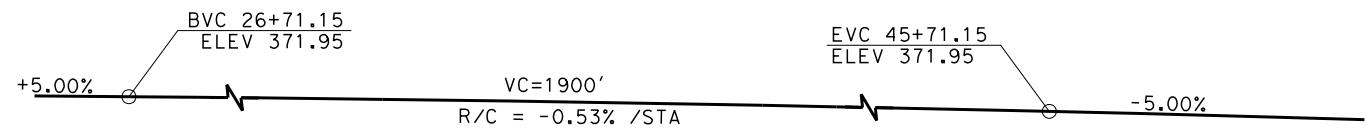
- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



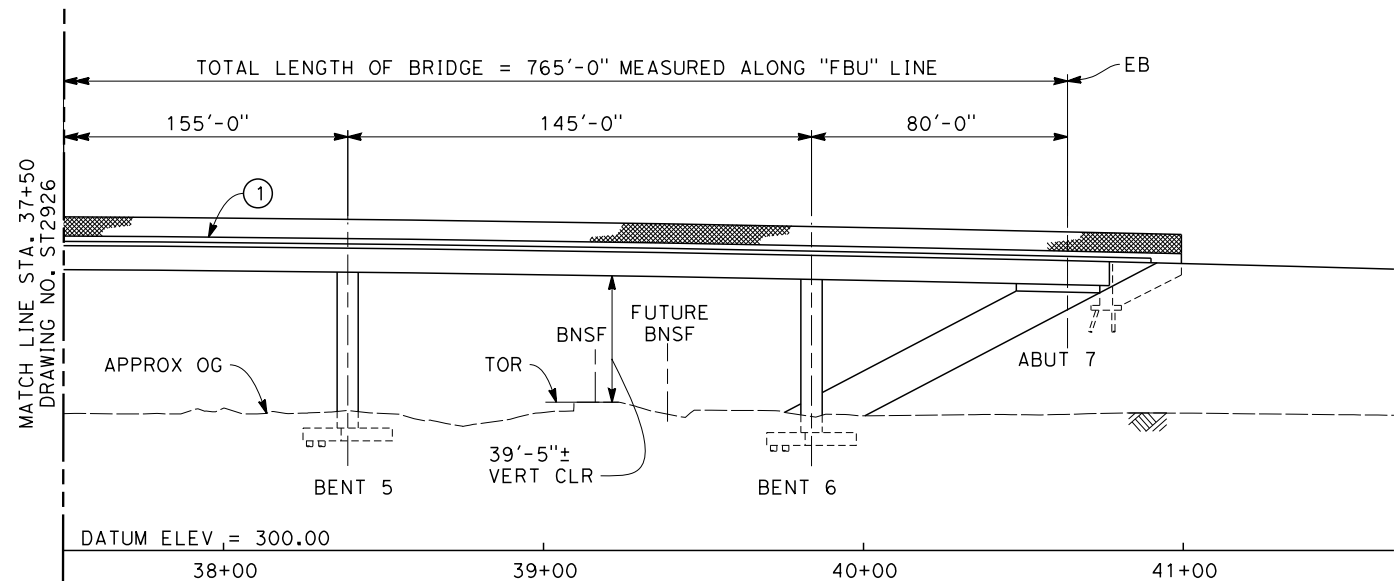
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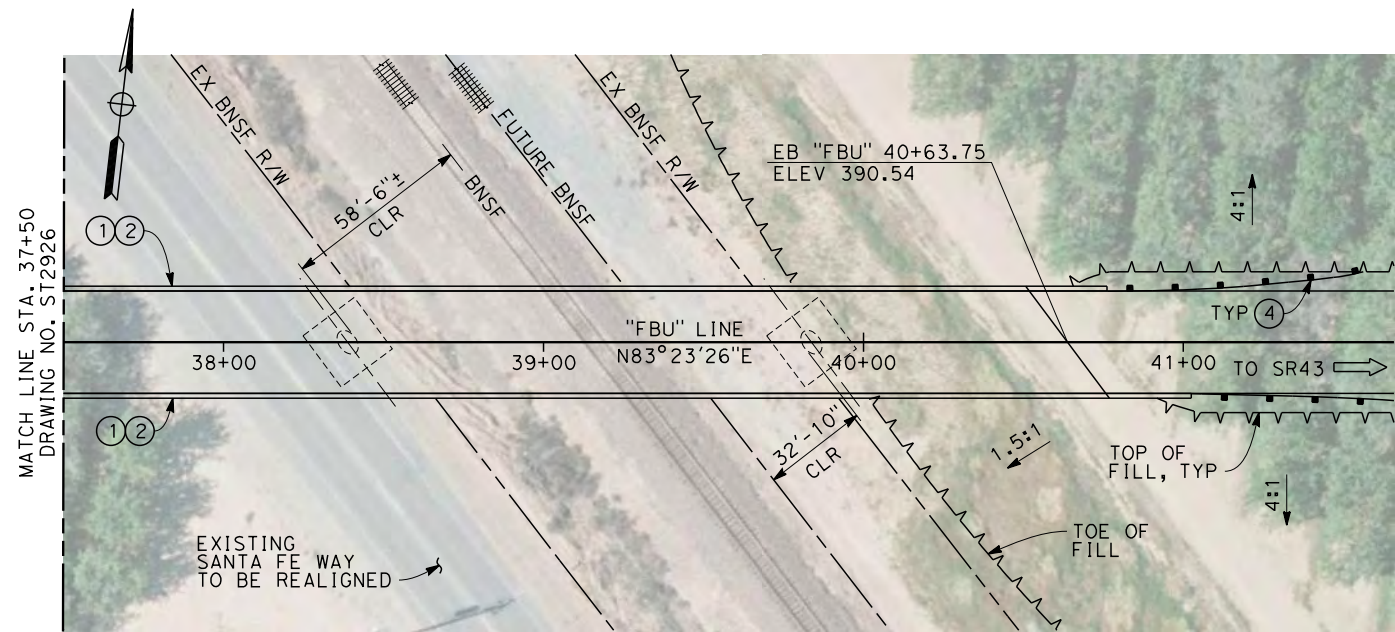
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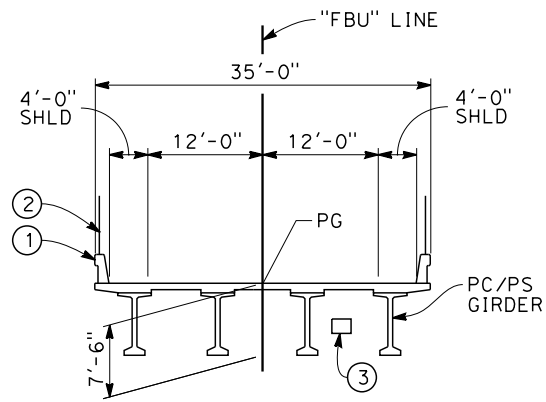
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NO SCALE



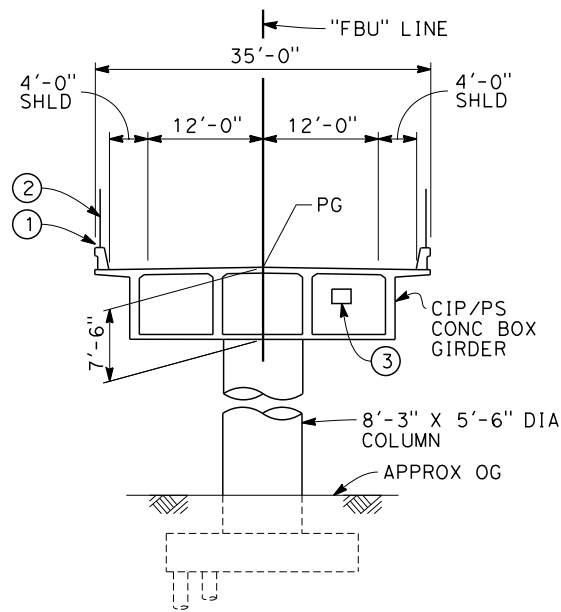
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SCALE: 1"=30'



PLAN  
SCALE: 1"=30'

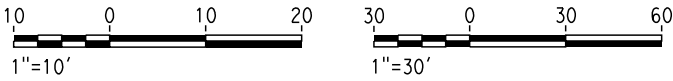


SECTION OVER BNSF



TYPICAL SECTION  
SCALE: 1"=10'

FOR NOTES AND LEGEND, SEE SHEET ST2926.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 OVERHEAD PLANNING STUDY BURBANK ST
--

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2927
SCALE AS SHOWN
SHEET NO. 9 OF 14



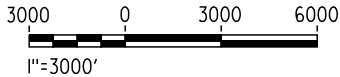
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**LEGEND**

---+---+--- EXISTING FREIGHT RAILROAD

———— PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
B. LUSCOMBE

DRAWN BY  
D. BARNHART

CHECKED BY  
L. SMITH

IN CHARGE  
R. COFFIN

DATE  
12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFTER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
KEY MAP

CONTRACT NO.  
HSR 06-0003

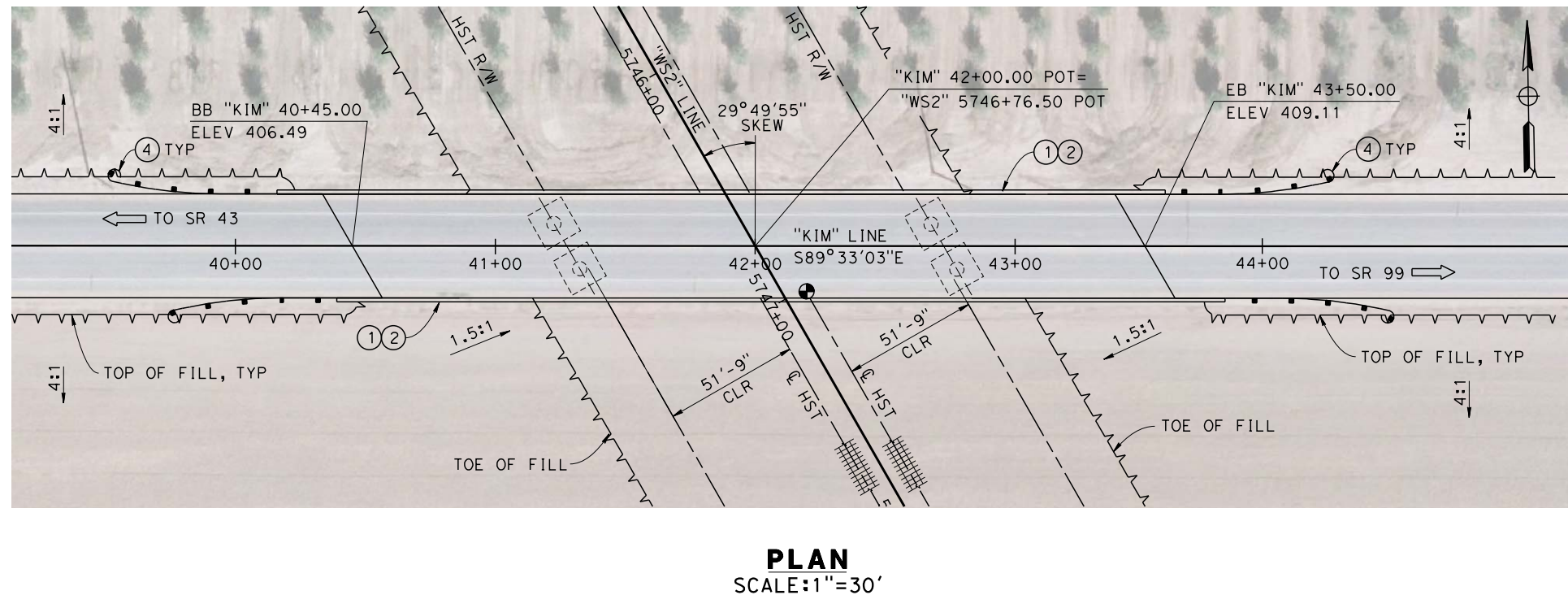
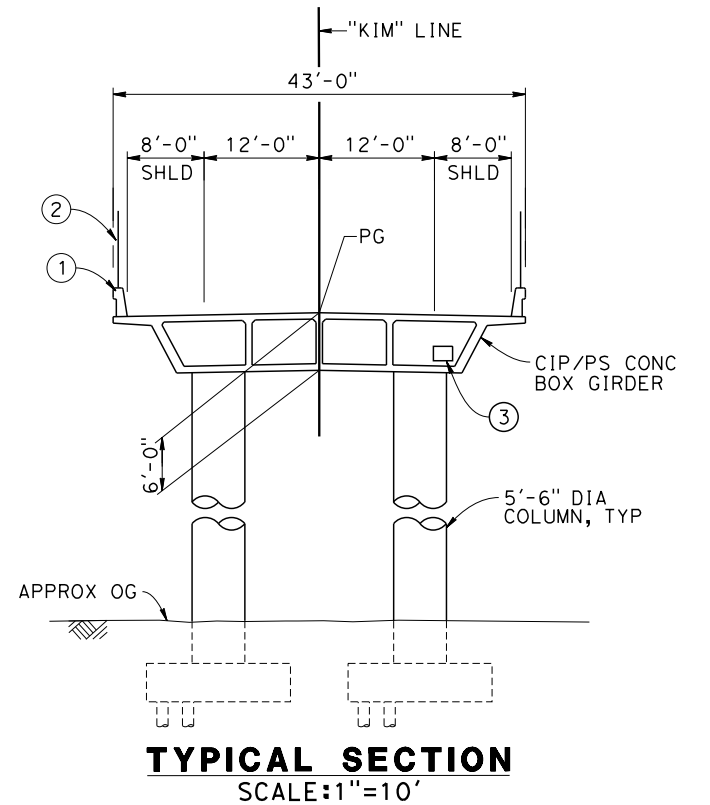
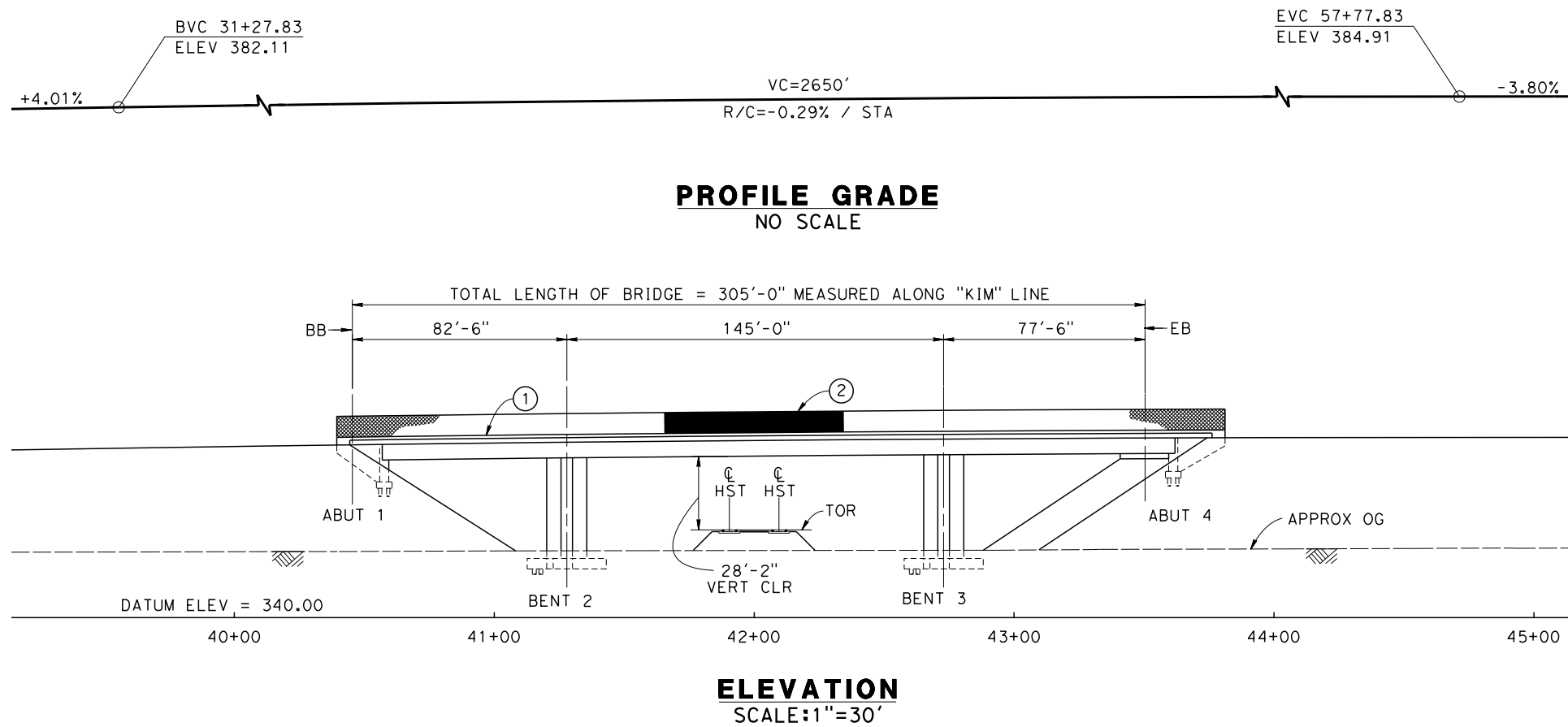
DRAWING NO.  
SB0180

SCALE  
AS SHOWN

SHEET NO.  
1 OF 11



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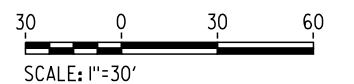
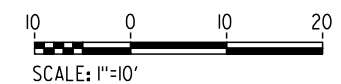


NOTES:

- ALL PILES NOT SHOWN.
- FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY P. BARBER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



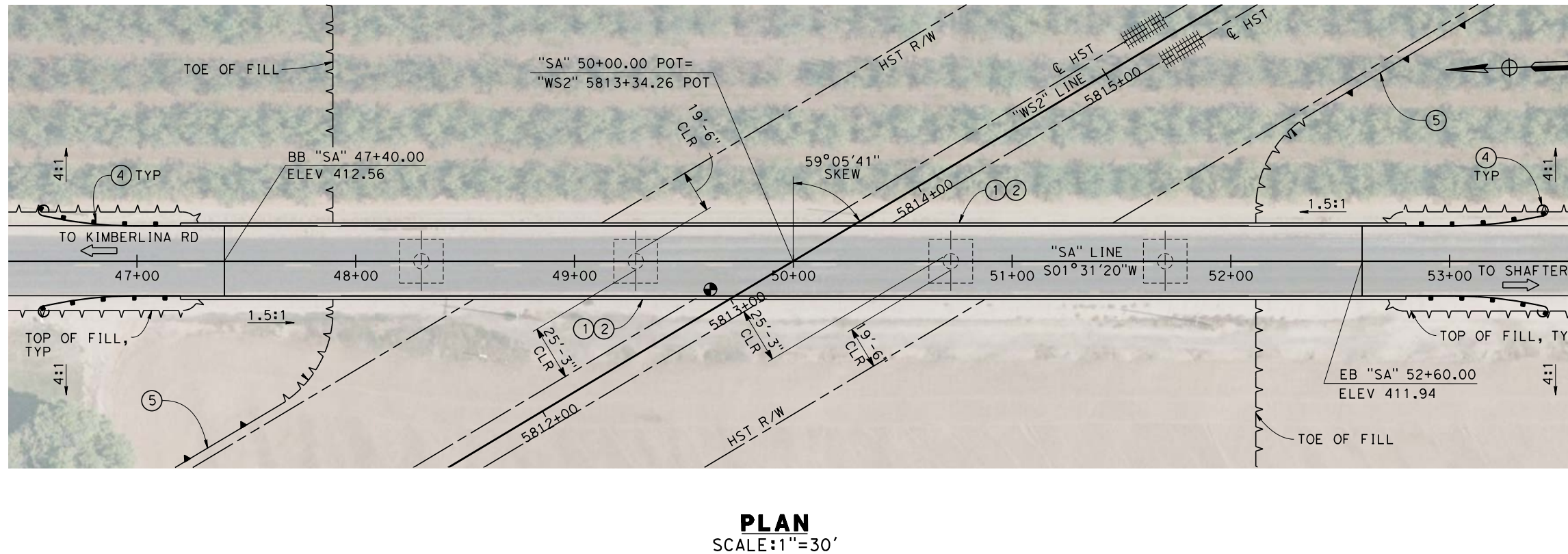
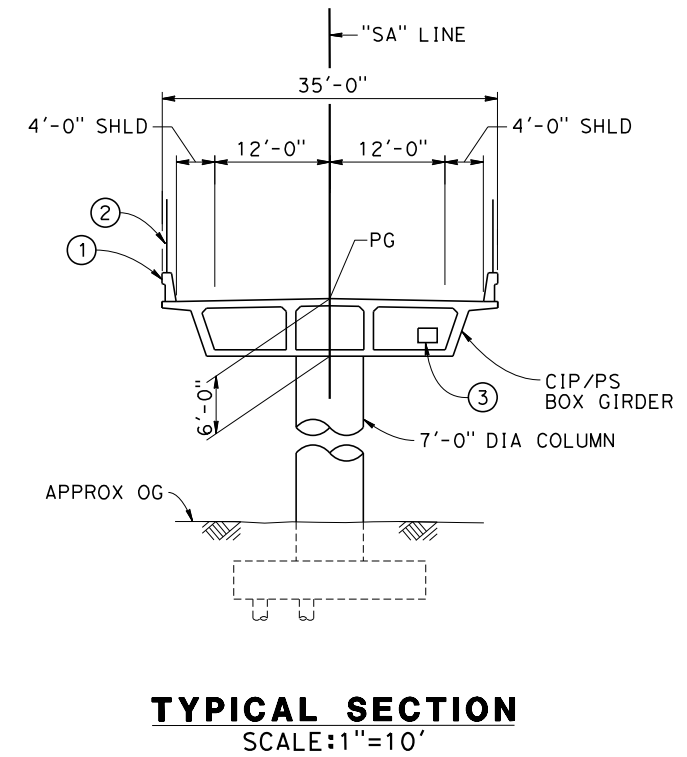
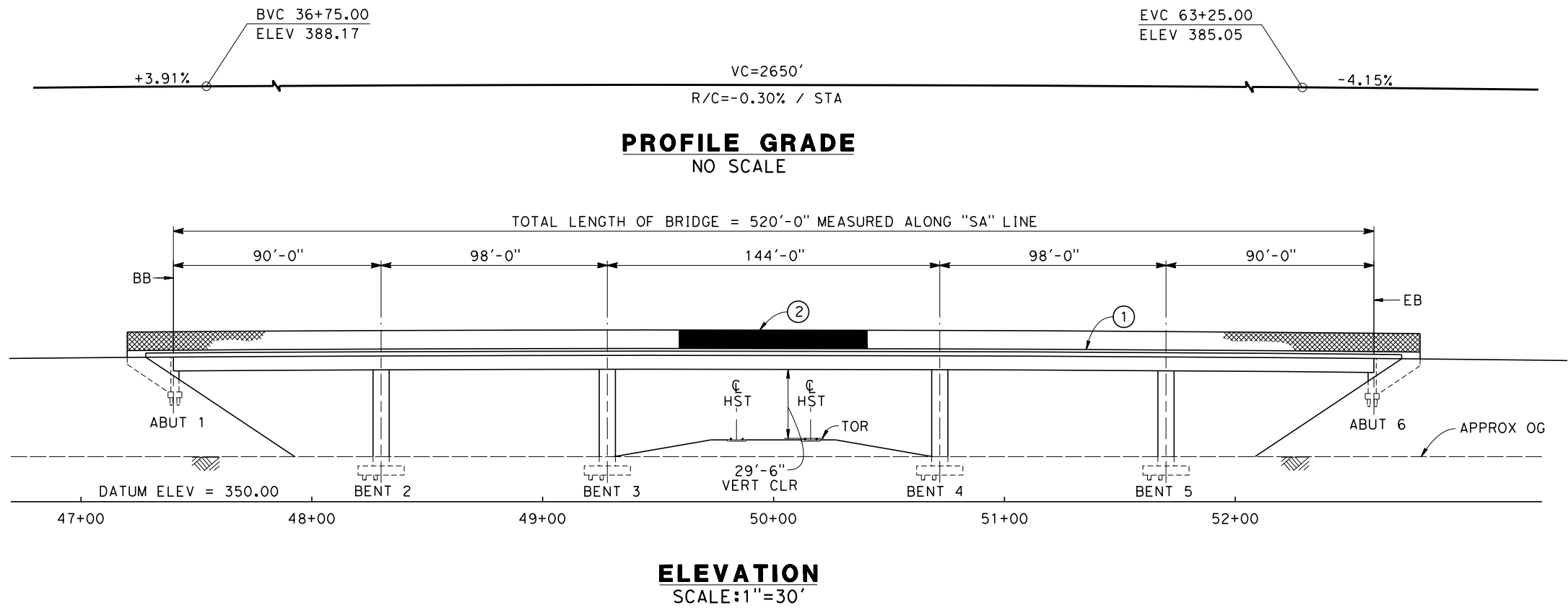
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFTER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
KIMBERLINA RD

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2931
SCALE AS SHOWN
SHEET NO. 2 OF 11



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- NOTES:
- ALL PILES NOT SHOWN.
  - FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR
  - ⑤ RETAINING WALL
- 10 0 10 20 30 0 30 60
- SCALE: 1"=10' SCALE: 1"=30'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
B. LUSCOMBE

DRAWN BY  
P. BARBER

CHECKED BY  
E. MORAN

IN CHARGE  
R. COFFIN

DATE  
12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SHAFTER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
SHAFTER AVE

CONTRACT NO.  
HSR 06-0003

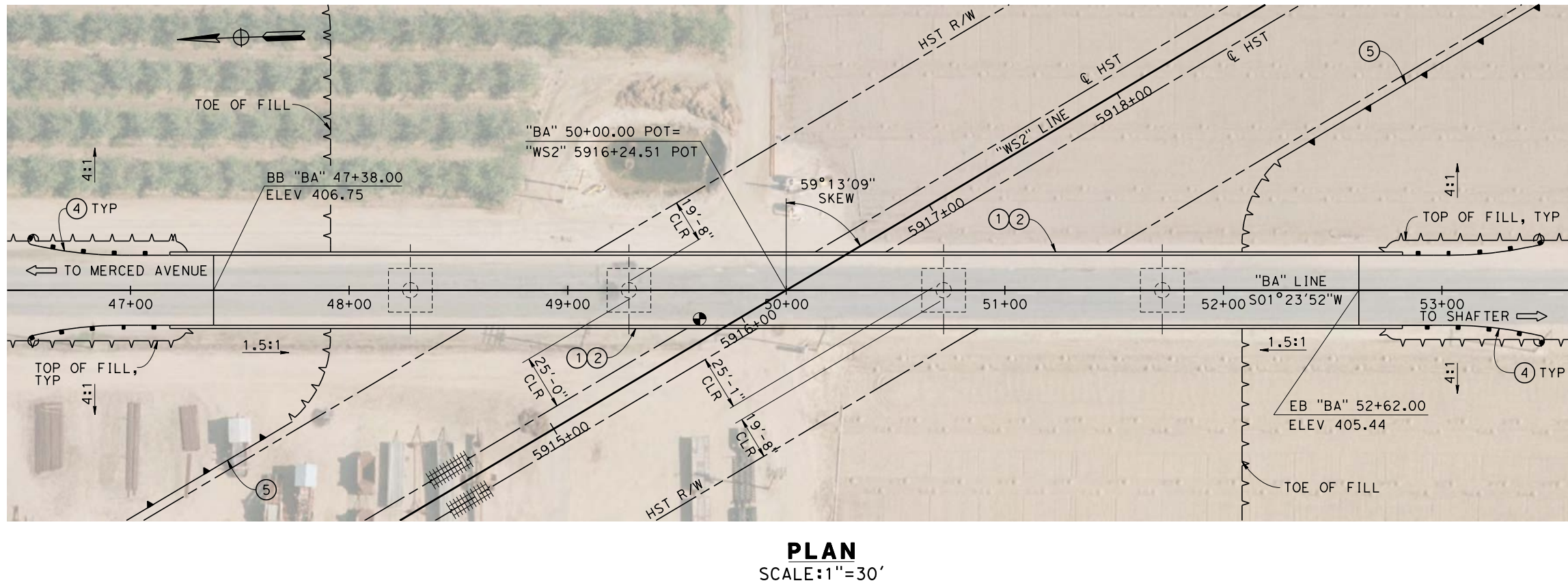
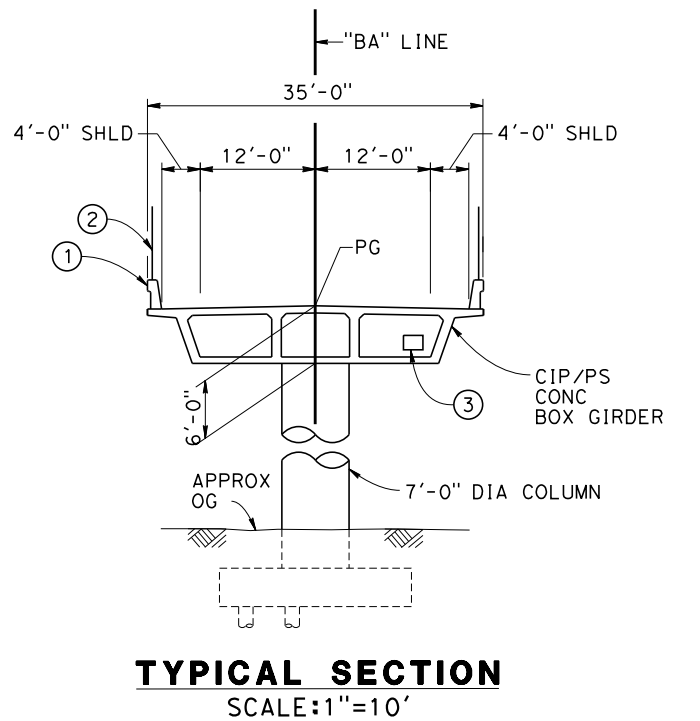
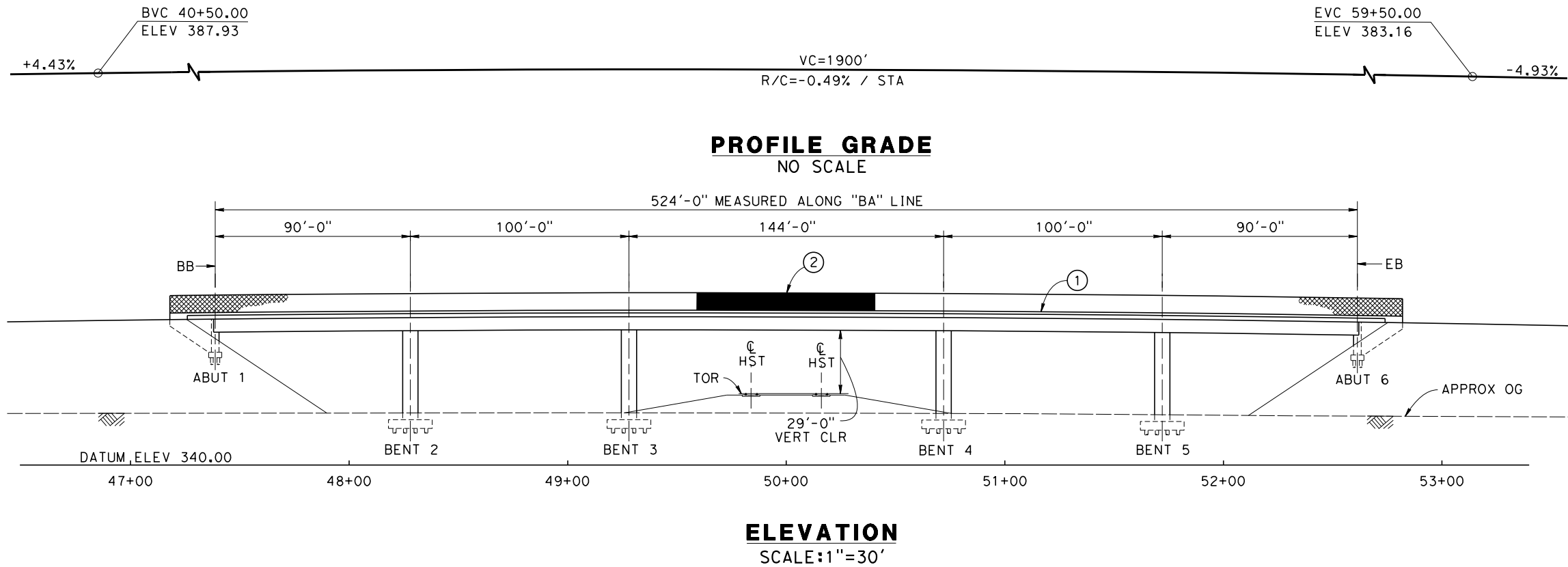
DRAWING NO.  
ST2941

SCALE  
AS SHOWN

SHEET NO.  
3 OF 11



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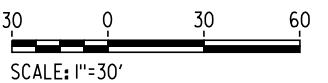
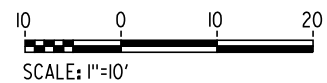


NOTES:

1. ALL PILES NOT SHOWN.
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR
- ⑤ RETAINING WALL



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY P. BARBER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



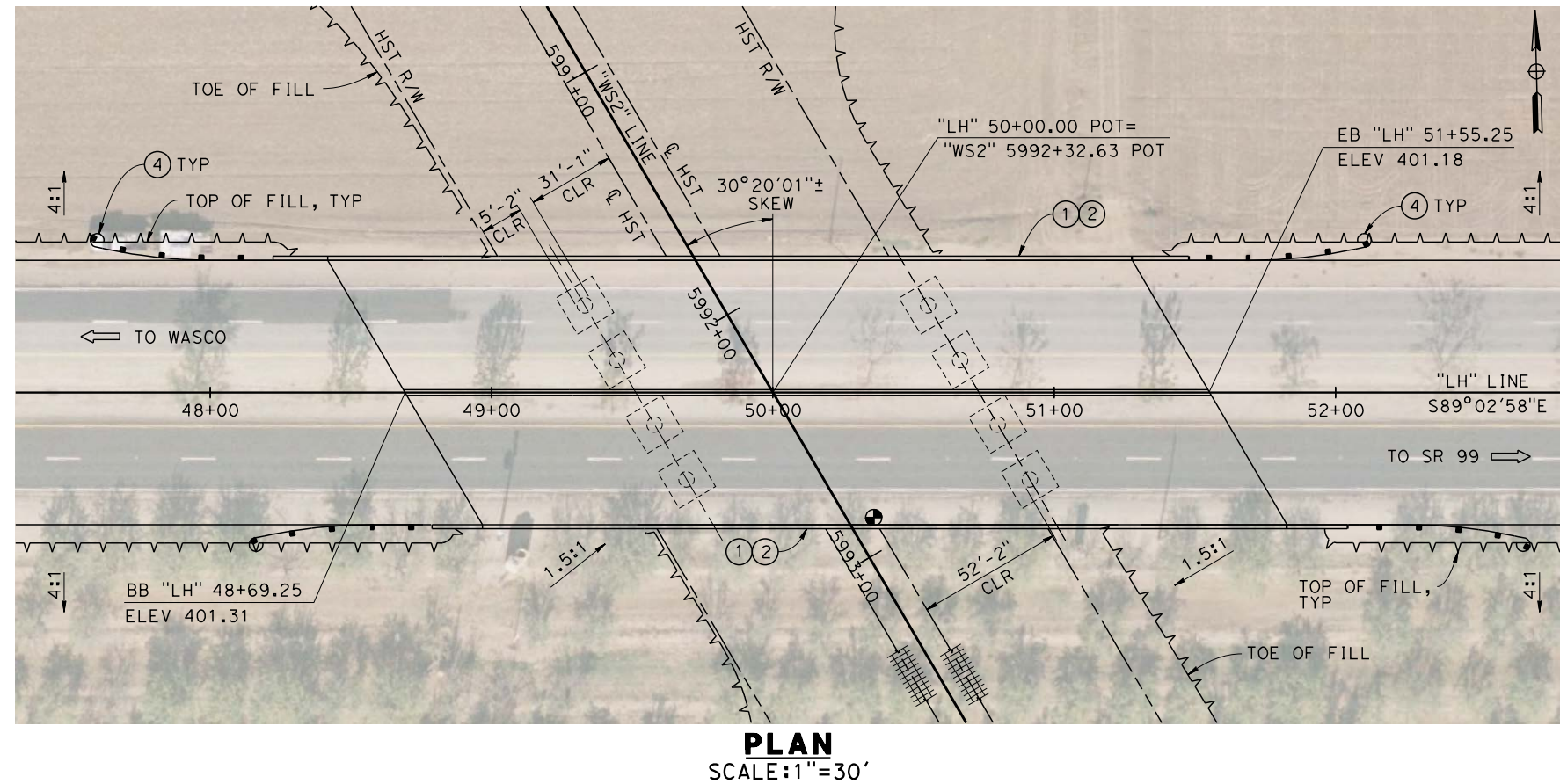
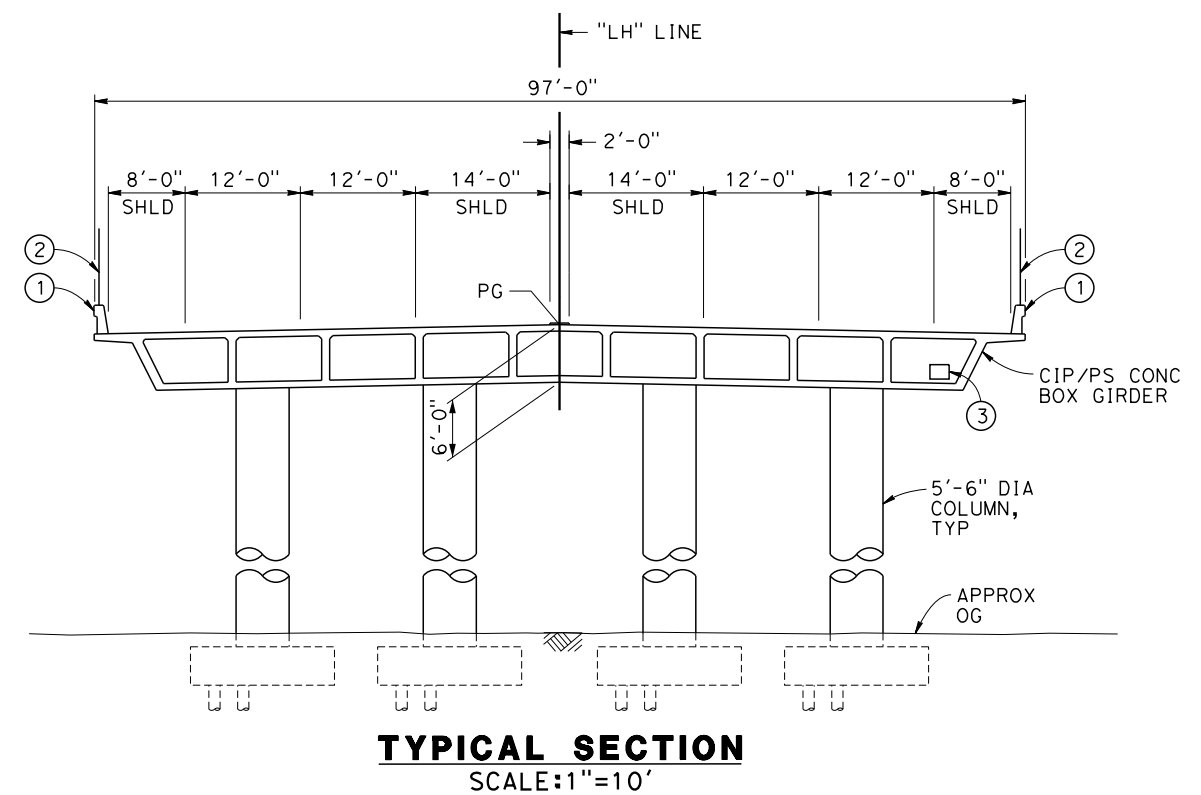
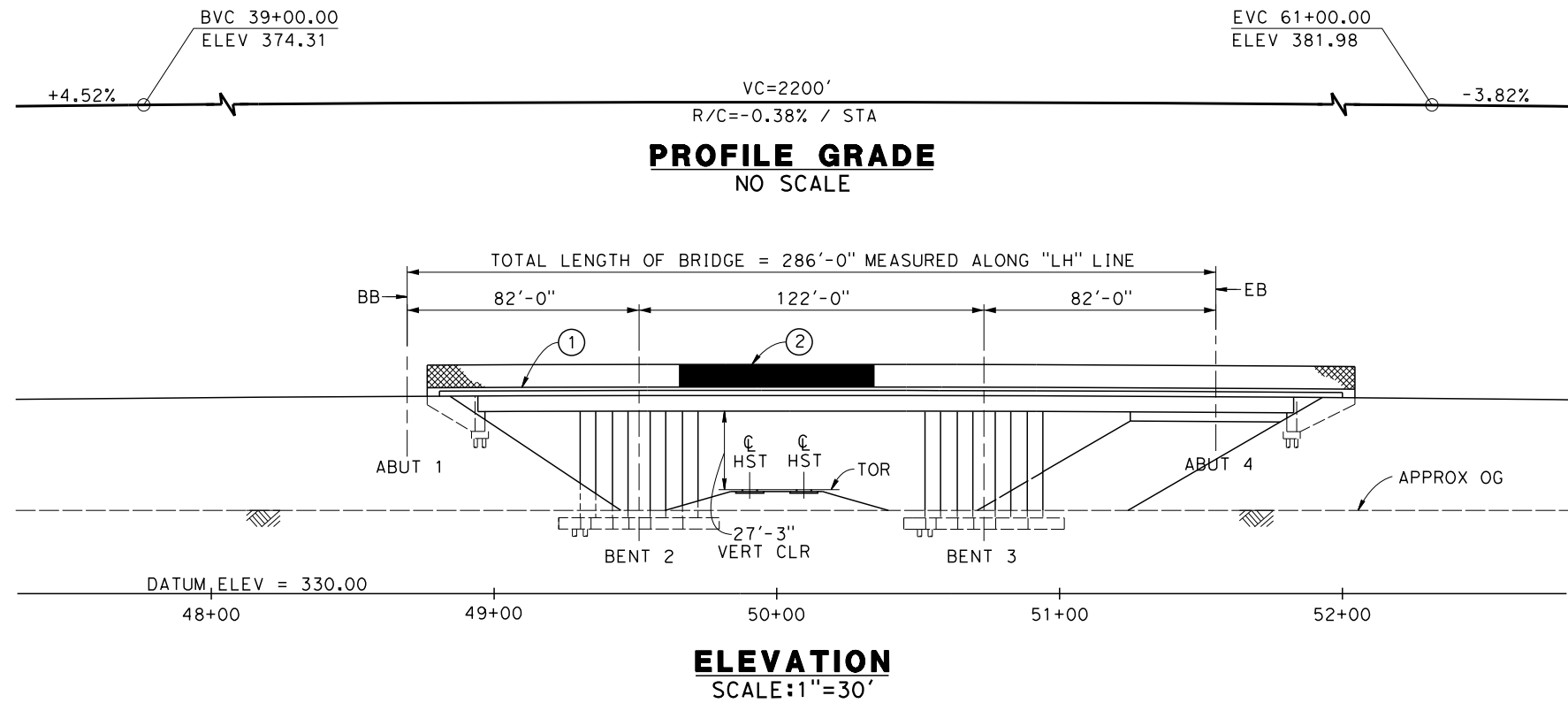
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
BEECH AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2951
SCALE AS SHOWN
SHEET NO. 4 OF 11



LUS60322 12/27/2013 3:54:52 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black\_200dpi.ctb \\lus60322\external\lus60322\dms88310\FB-ST-2961-WS2.dgn

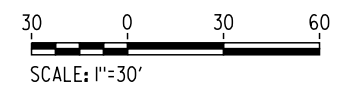
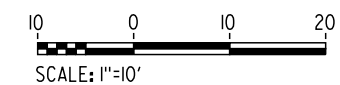


NOTES:

1. ALL PILES NOT SHOWN.
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY J. PROTHERO
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>

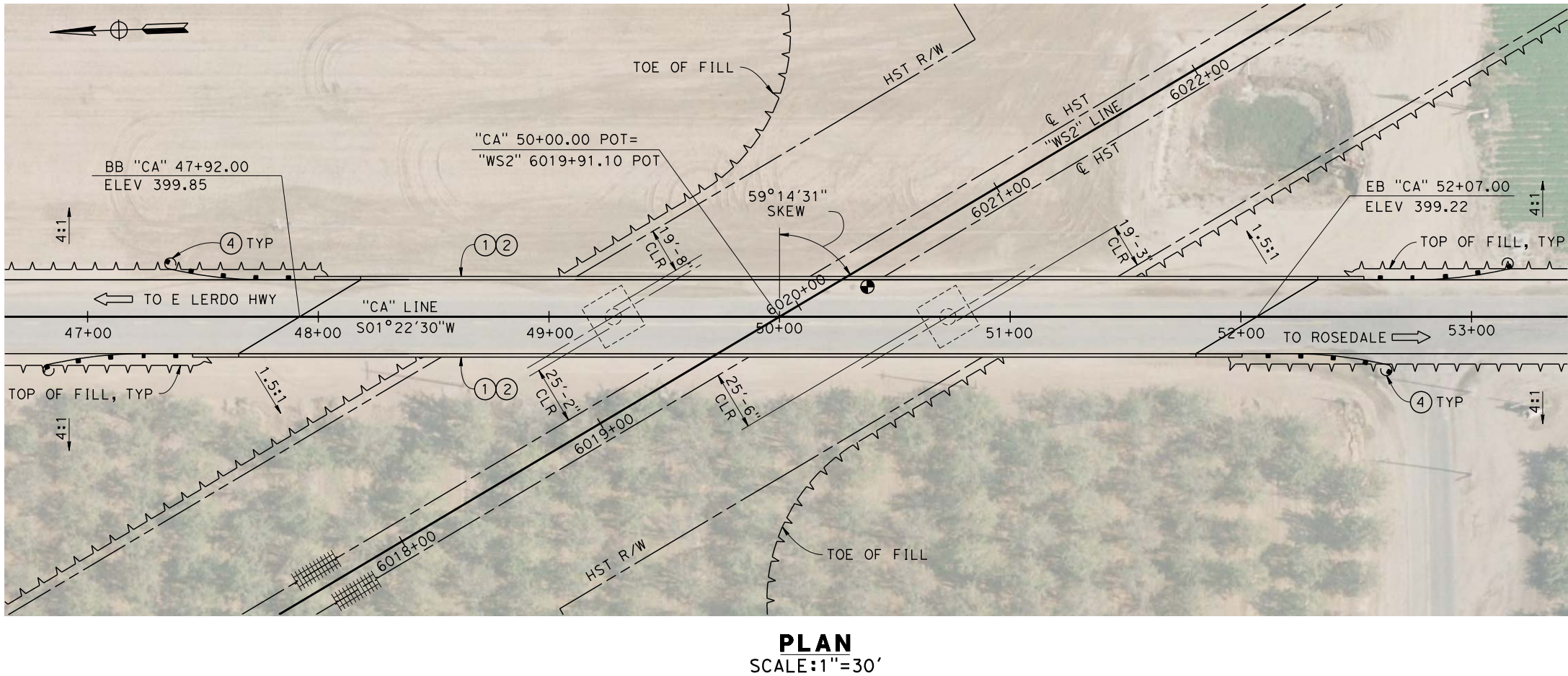
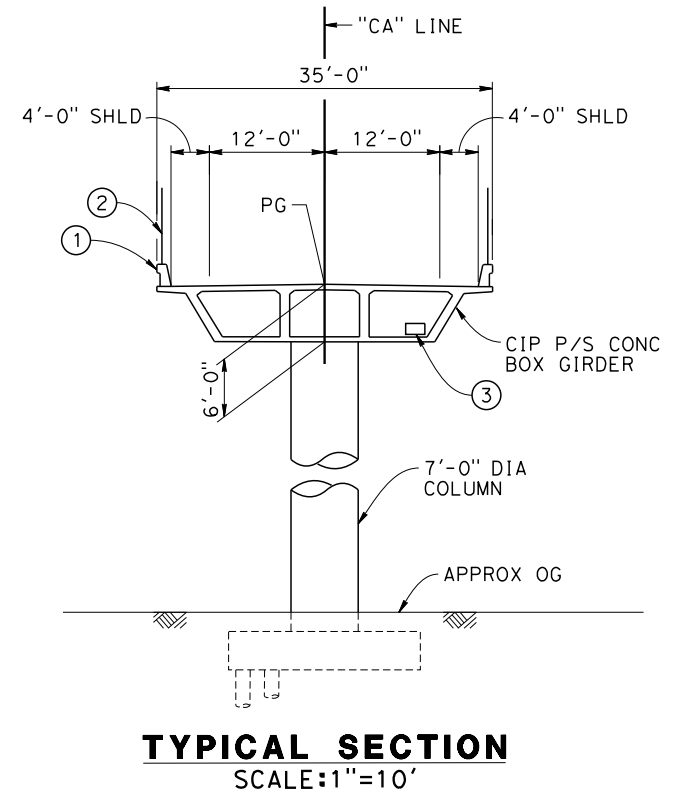
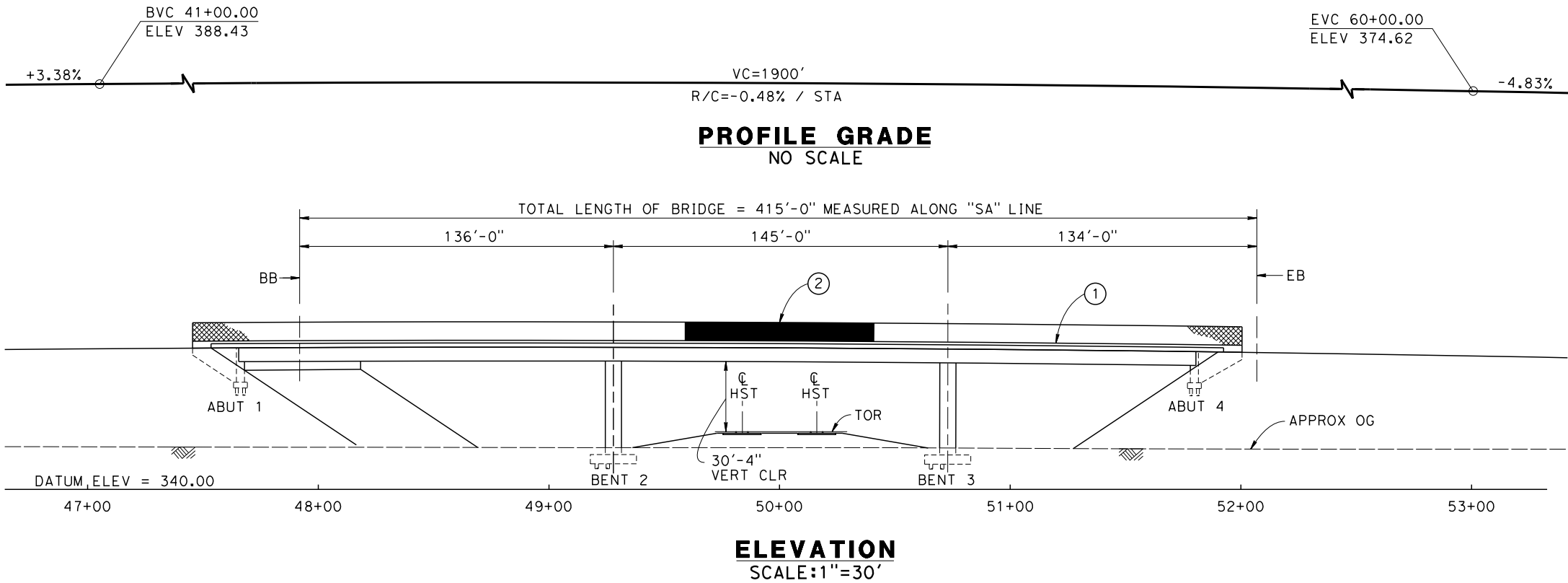


<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
WASCO-SAFTER BYPASS SUBSECTION
ALIGNMENT WS2
OVERHEAD PLANNING STUDY
EAST LERDO HWY

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2961
SCALE AS SHOWN
SHEET NO. 5 OF 11



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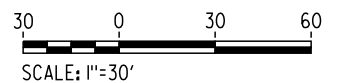
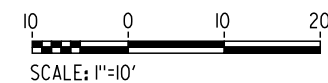


NOTES:

- ALL PILES NOT SHOWN.
- FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY P. BARBER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

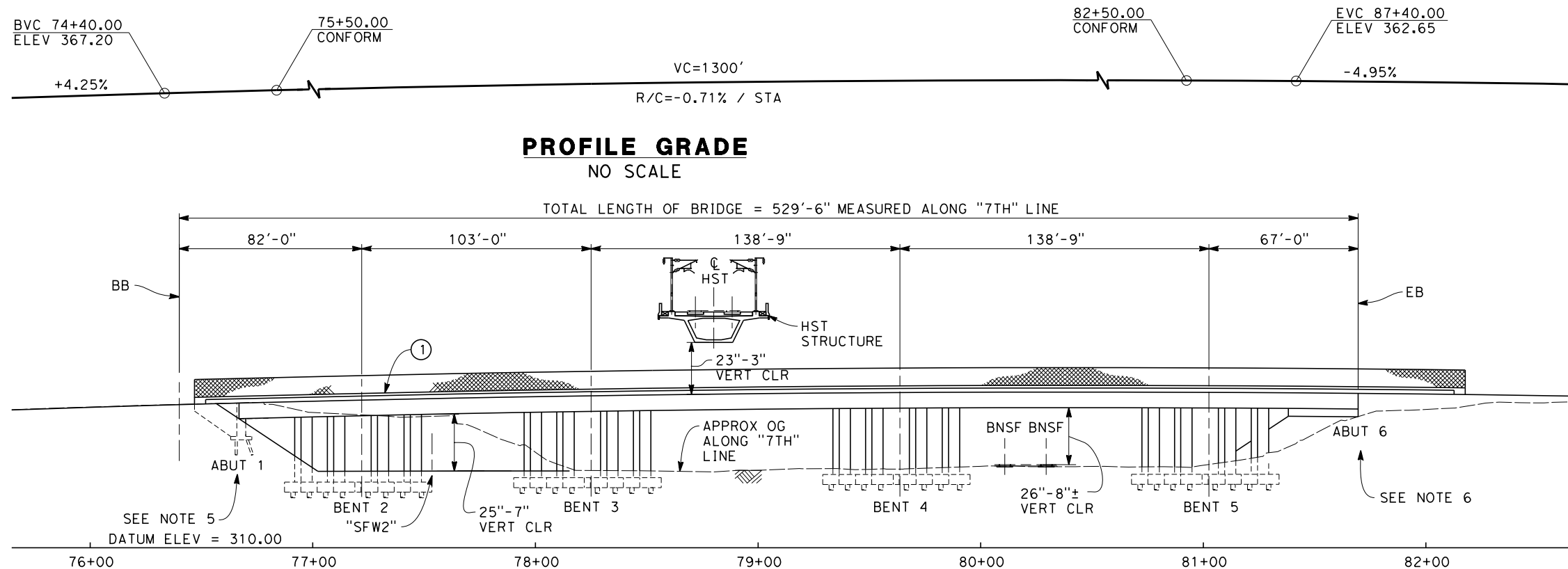
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<b>NOT FOR CONSTRUCTION</b>



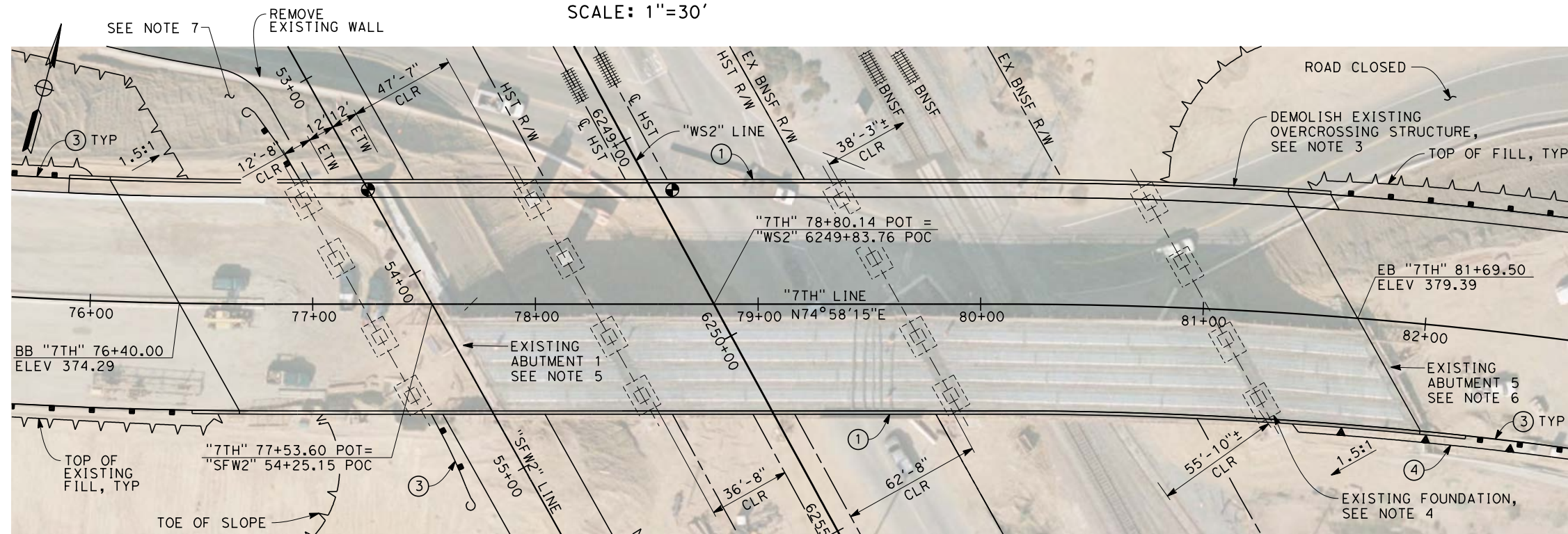
<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
WASCO-SAFTER BYPASS SUBSECTION
ALIGNMENT WS2
OVERHEAD PLANNING STUDY
CHERRY AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2963
SCALE AS SHOWN
SHEET NO. 6 OF 11





**ELEVATION**  
SCALE: 1"=30'



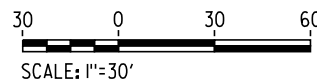
**PLAN**  
SCALE: 1"=30'

**NOTES:**

1. ALL PILES NOT SHOWN.
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
3. EXISTING STRUCTURE SHOWN UNDER CONSTRUCTION AT TIME OF PHOTO PLAN PRODUCTION.
4. REMOVE EXISTING COLUMNS ON EXISTING BENTS AND RETAIN EXISTING PILE CAPS AND PILES.
5. REMOVE EXISTING ABUTMENT 1.
6. RETAIN EXISTING ABUTMENT 5 WITH ELEVATION MODIFICATIONS AS NECESSARY.
7. FUTURE EXPANSION OF SANTA FE WAY IS PLANNED BETWEEN ABUTMENT 1 AND BENT 2.

**LEGEND:**

- ① CONCRETE BARRIER WITH AR FENCE
- ② FUTURE UTILITY ENCASEMENT OPENING
- ③ MBGR
- ④ EXISTING RETAINING WALL



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Clark

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY D. BARNHART
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



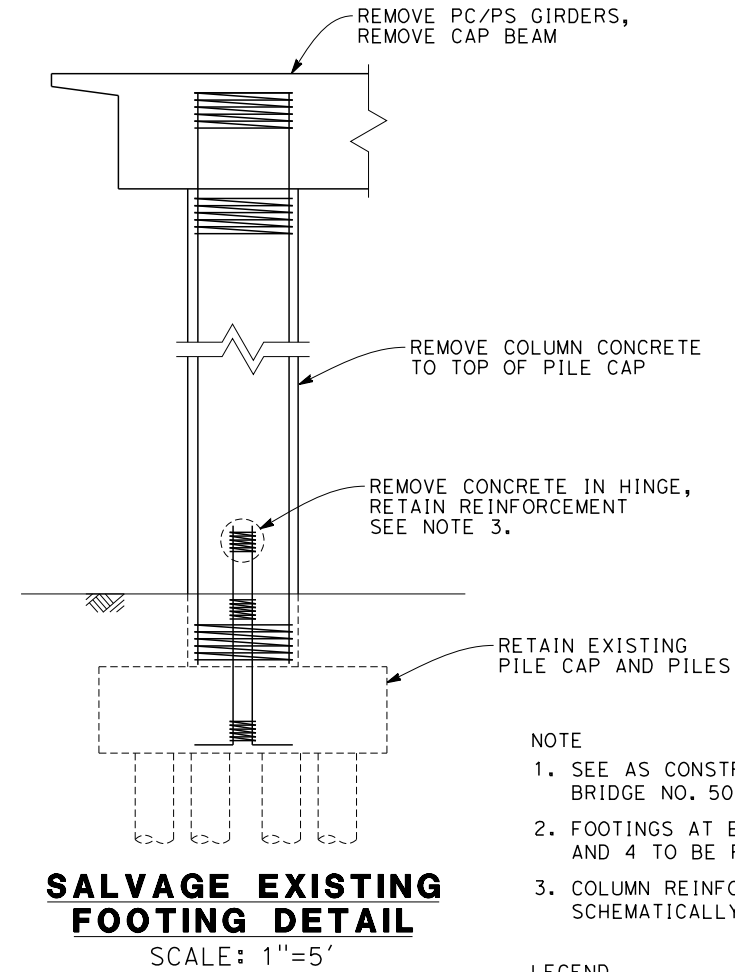
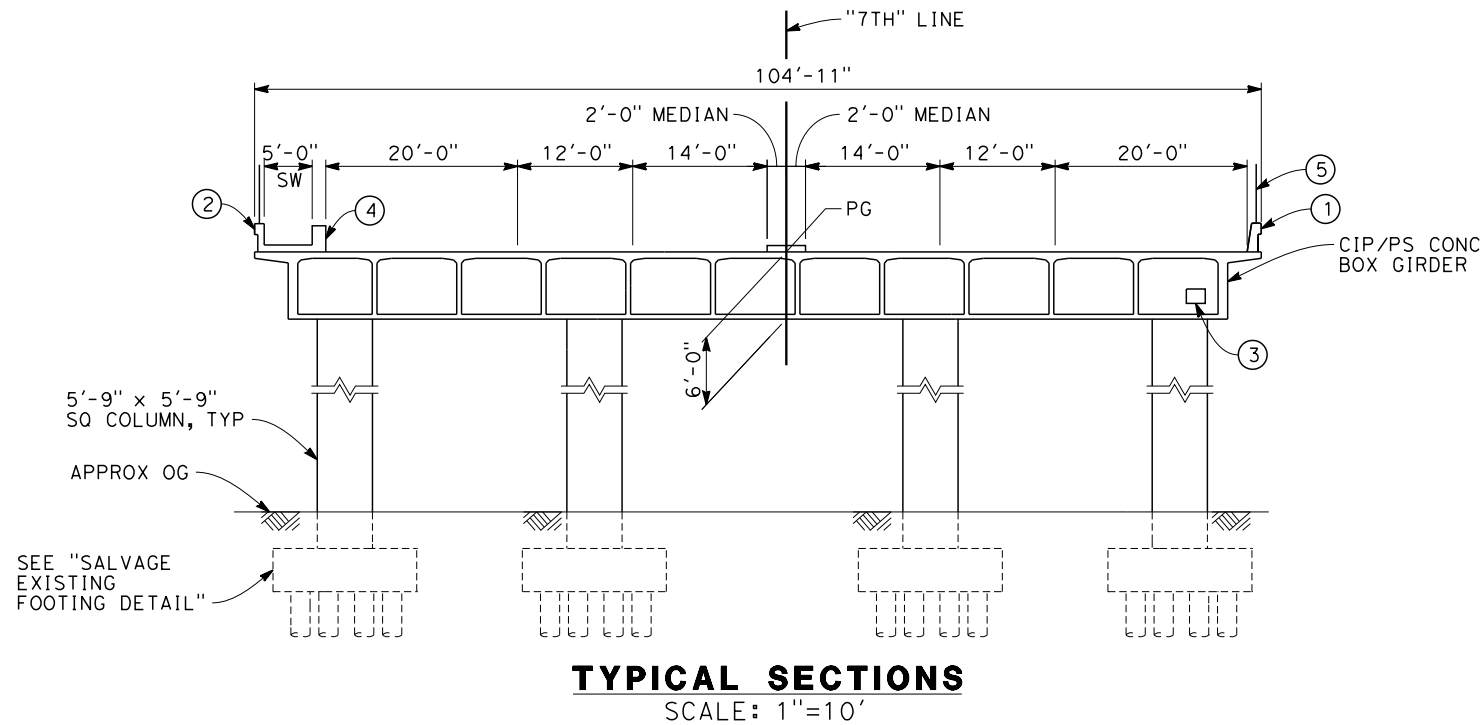
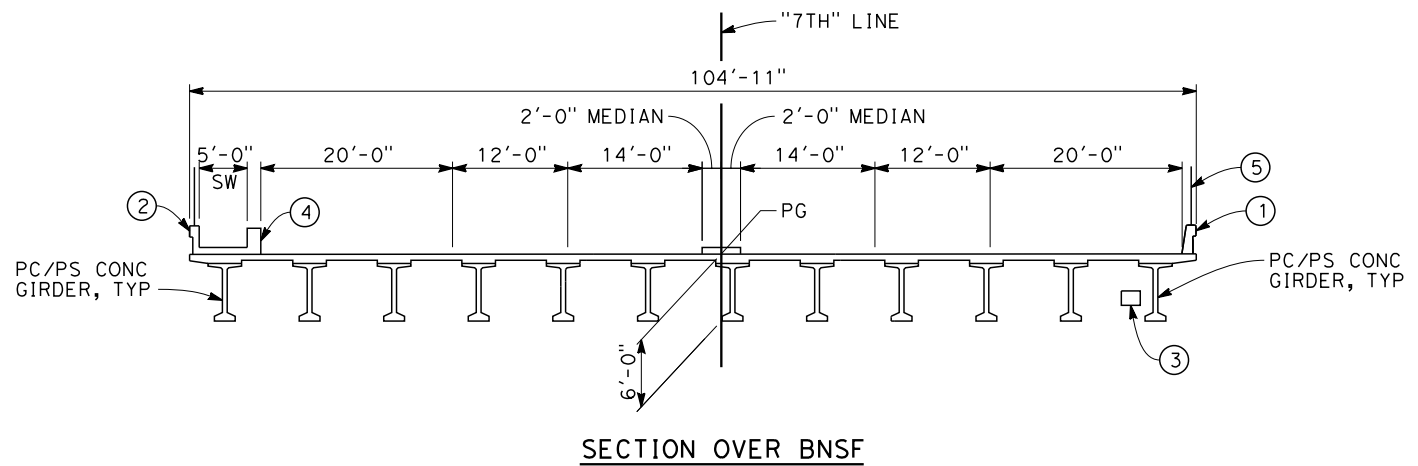
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFTER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
7TH STANDARD RD

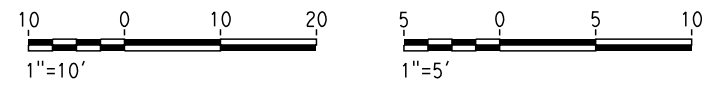
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DRAWING NO. ST2970
SCALE AS SHOWN
SHEET NO. 7 OF 11



LUS60322 12/27/2013 10:37:23 AM CAHSR-r1.tbl CHSR\_PDF\_half\_black\_200dpi.ctb \\lus60322\dm88310\FB-ST-2971-WS2.dgn



- NOTE
1. SEE AS CONSTRUCTED PLANS FOR BRIDGE NO. 50C0345, KERN COUNTY
  2. FOOTINGS AT EXISTING BENTS 2, 3 AND 4 TO BE RE-USED IN NEW BRIDGE
  3. COLUMN REINFORCING SHOWN SCHEMATICALLY
- LEGEND
- ① CONCRETE BARRIER (TYPE 736 MODIFIED)
  - ② CONCRETE BARRIER (TYPE 36)
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ CONCRETE BARRIER (TYPE 742 MODIFIED)
  - ⑤ CHAIN LINK RAILING (TYPE 7 MODIFIED)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
B. LUSCOMBE  
DRAWN BY  
D. BARNHART  
CHECKED BY  
E. MORAN  
IN CHARGE  
R. COFFIN  
DATE  
12/31/13

RECORD SET 15%  
DESIGN SUBMISSION  
  
NOT FOR  
CONSTRUCTION

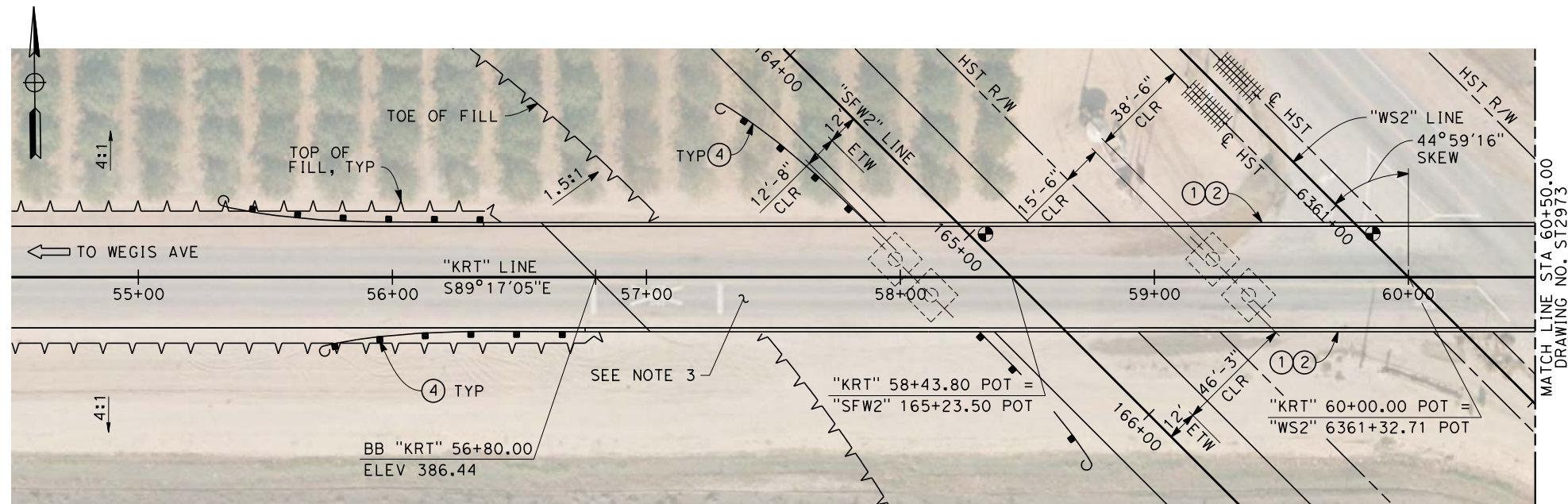
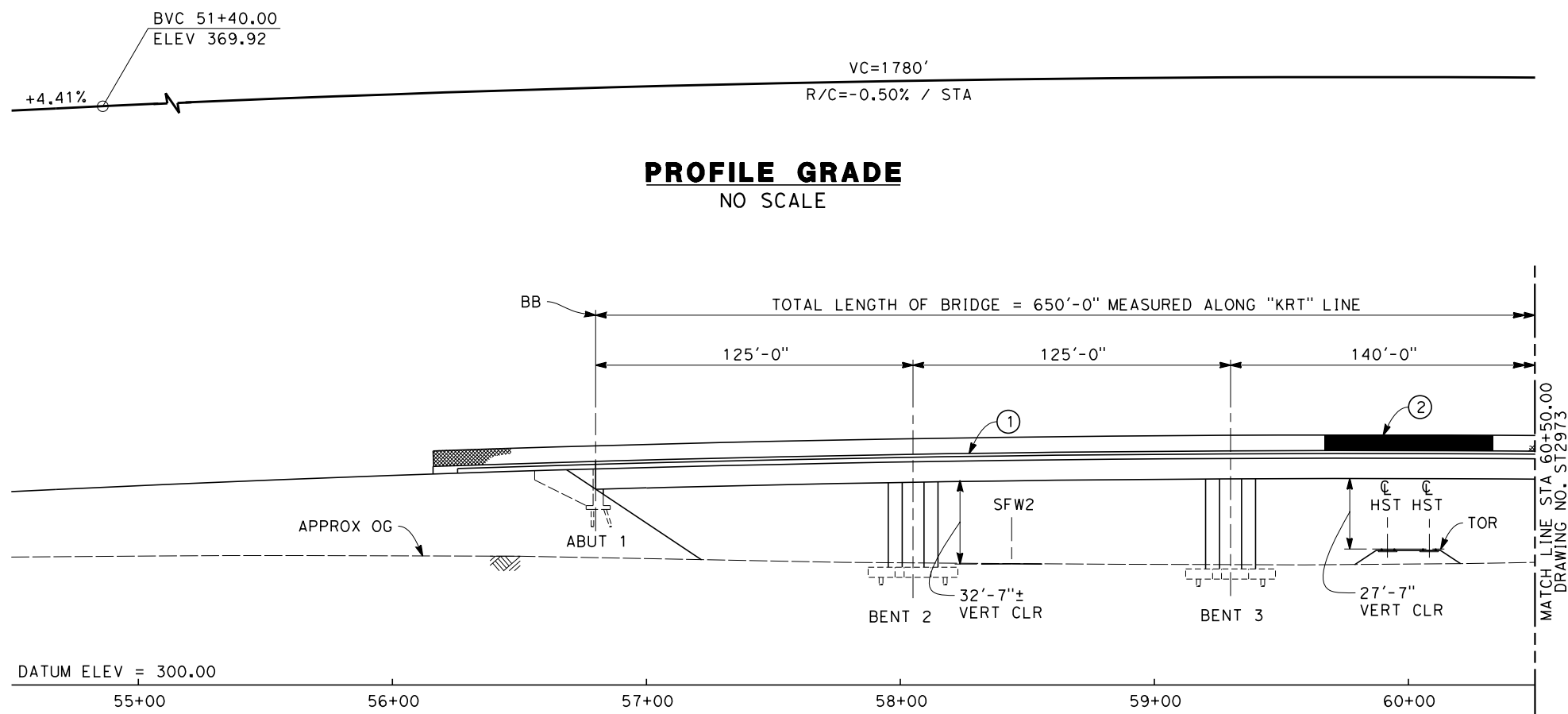


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**FRESNO TO BAKERSFIELD**  
WASCO-SAFER BYPASS SUBSECTION  
ALIGNMENT WS2  
TYPICAL SECTIONS  
7TH STANDARD RD

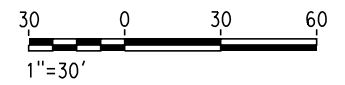
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HSR 06-0003  
DRAWING NO.  
ST2971  
SCALE  
AS SHOWN  
SHEET NO.  
8 OF 11



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- NOTES:
1. ALL PILES NOT SHOWN.
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
  3. FUTURE EXPANSION OF SANTA FE WAY IS PLANNED BETWEEN ABUTMENT 1 AND BENT 2.
- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
B. LUSCOMBE  
DRAWN BY  
D. BARNHART  
CHECKED BY  
E. MORAN  
IN CHARGE  
R. COFFIN  
DATE  
12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFTER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
KRATZMEYER RD

CONTRACT NO.  
HSR 06-0003

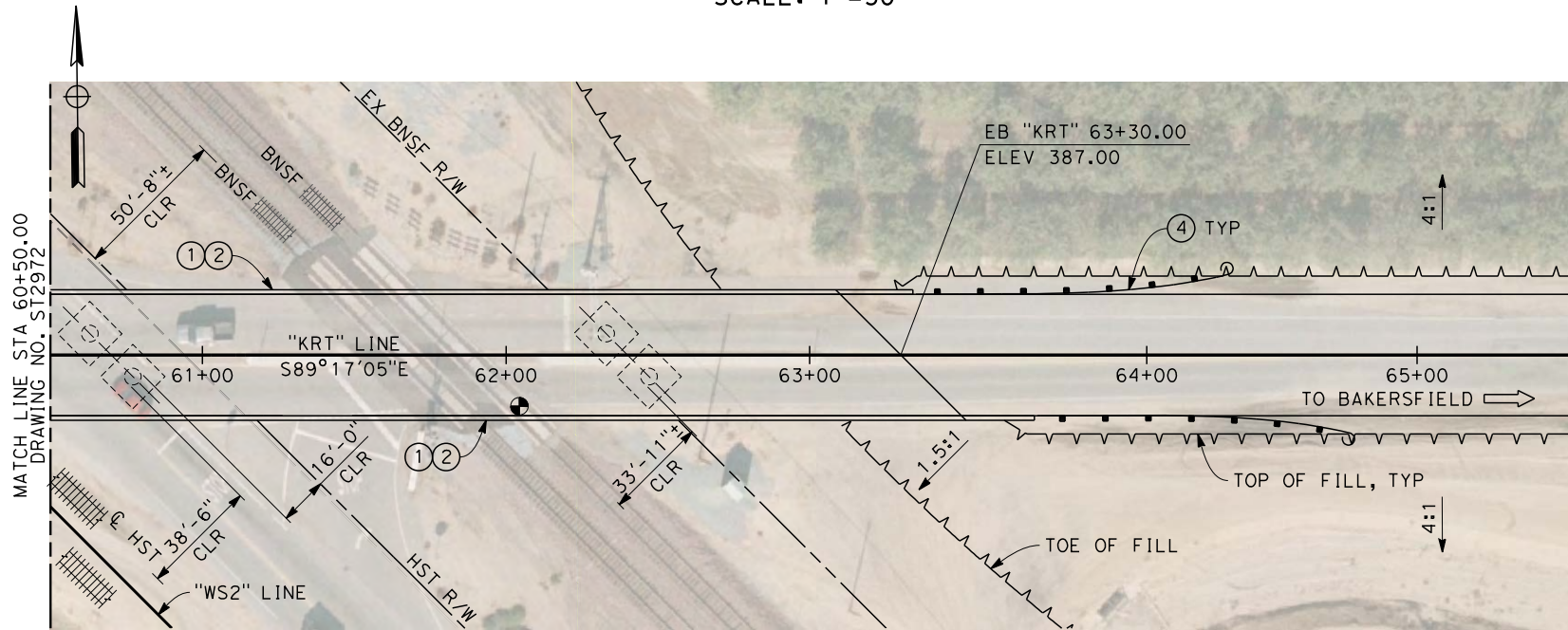
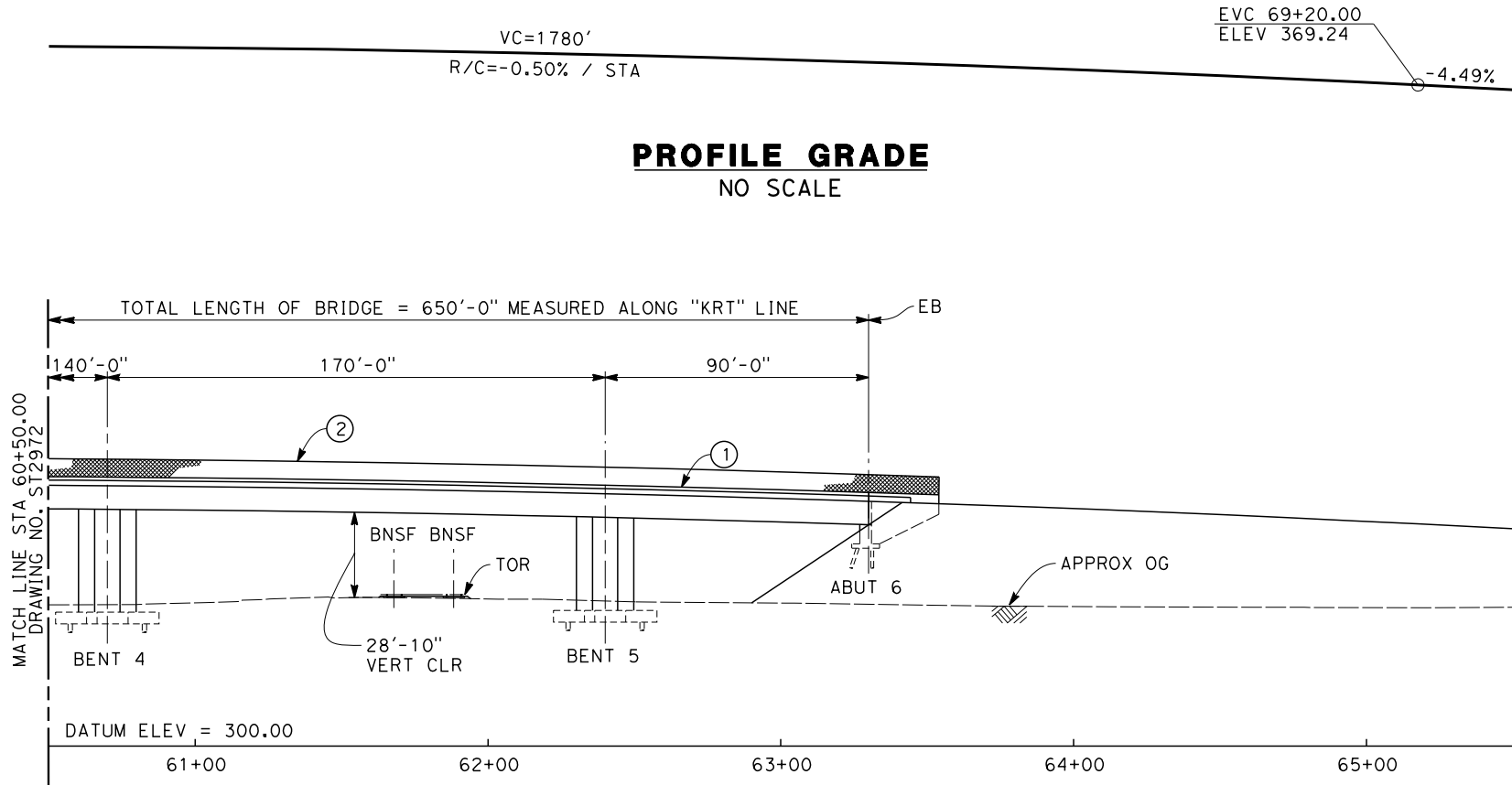
DRAWING NO.  
ST2972

SCALE  
AS SHOWN

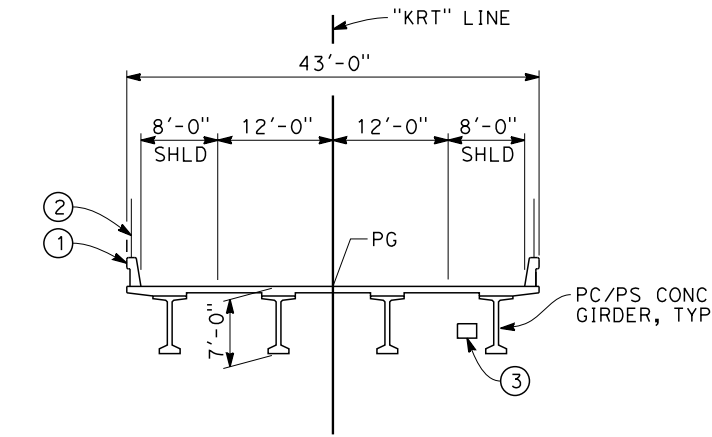
SHEET NO.  
9 OF 11



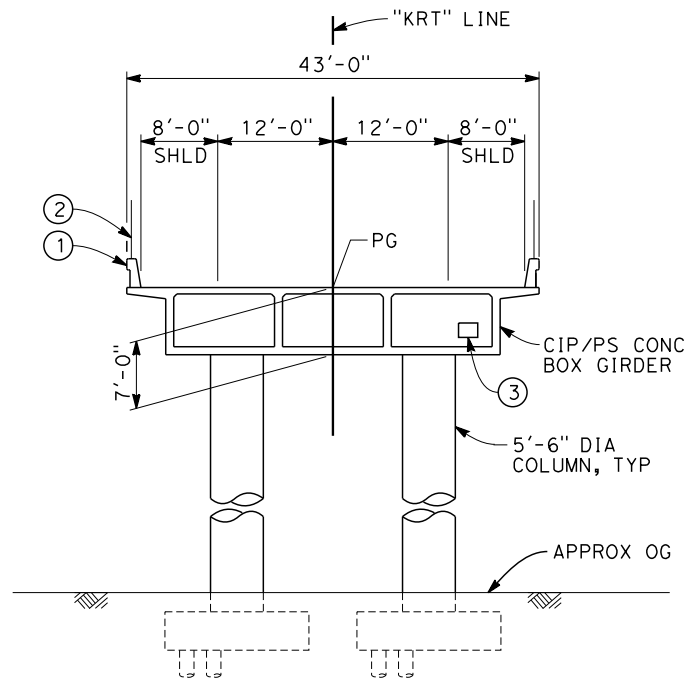
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**PLAN**  
SCALE: 1"=30'

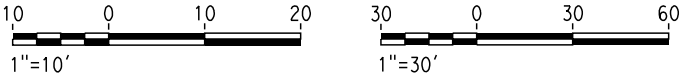


**SECTION OVER BNSF**



**TYPICAL SECTION**  
SCALE: 1"=10'

NOTE:  
FOR NOTES AND LEGEND, SEE SHEET ST2972.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY P. BARBER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



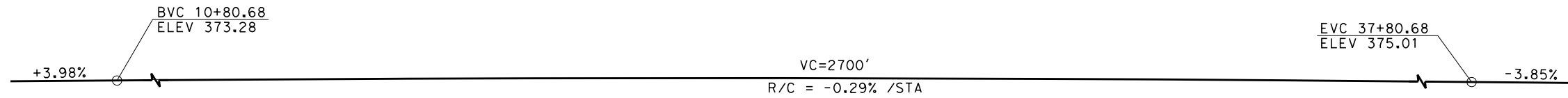
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFTER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
KRATZMEYER RD

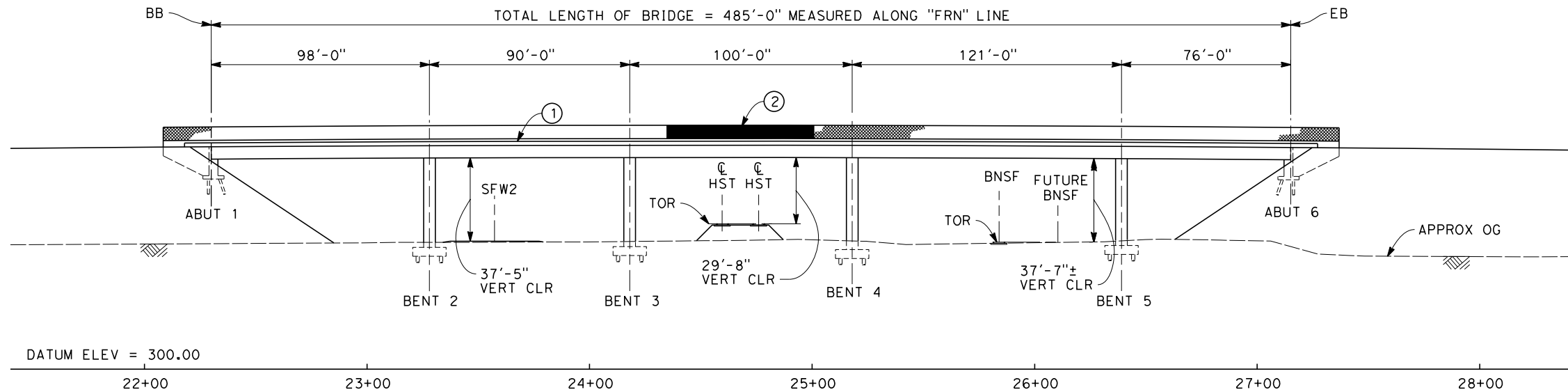
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2973
SCALE AS SHOWN
SHEET NO. 10 OF 11



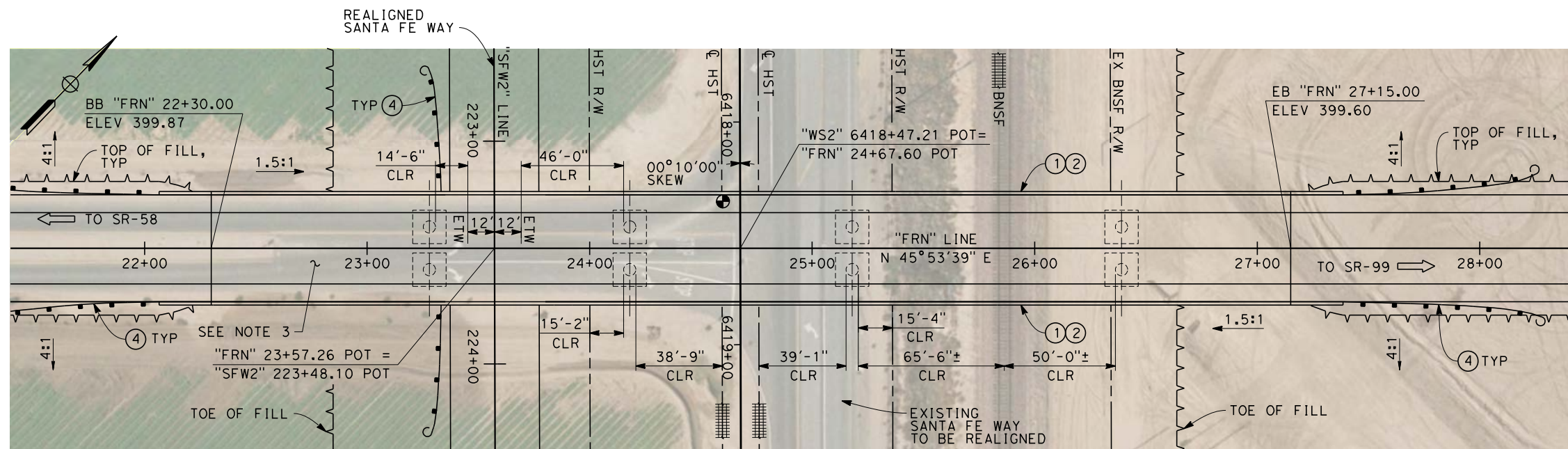
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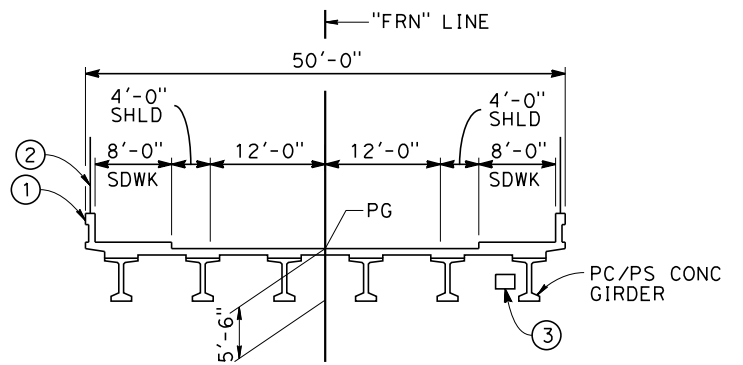
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NO SCALE



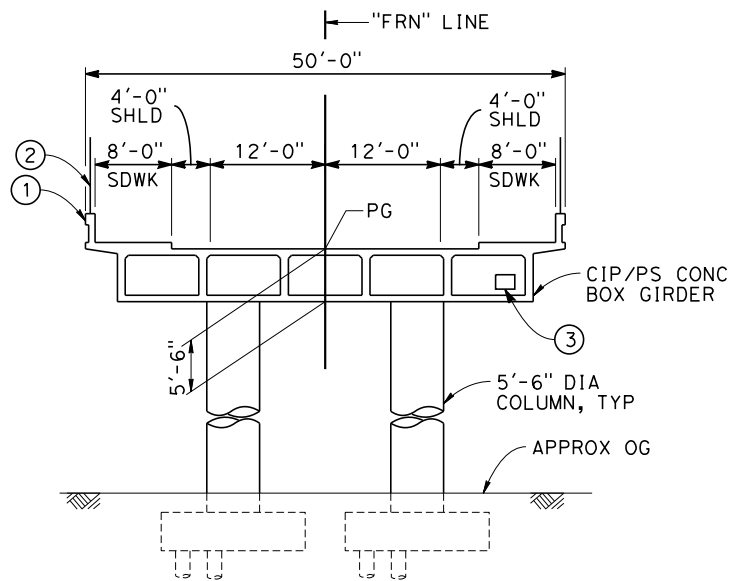
**ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'



**SECTION OVER BNSF**



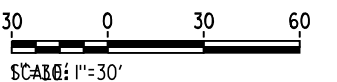
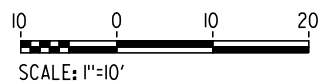
**TYPICAL SECTION**  
SCALE: 1"=10'

**NOTES:**

1. ALL PILES NOT SHOWN.
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
3. FUTURE EXPANSION OF SANTA FE WAY IS PLANNED BETWEEN ABUTMENT 1 AND BENT 2.

**LEGEND:**

- ① CONCRETE BARRIER (TYPE 26 MODIFIED)
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. LUSCOMBE
DRAWN BY P. BARBER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



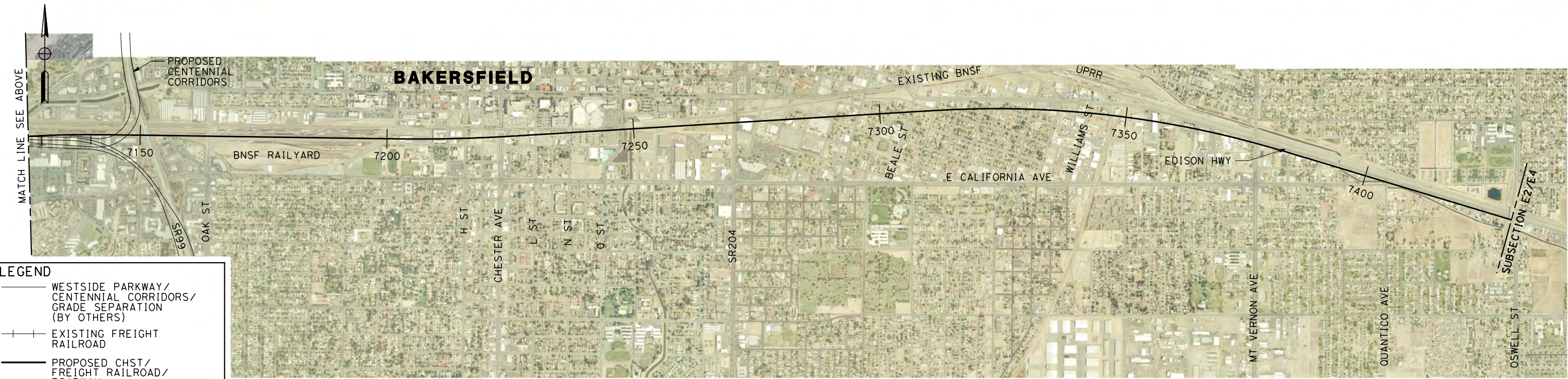
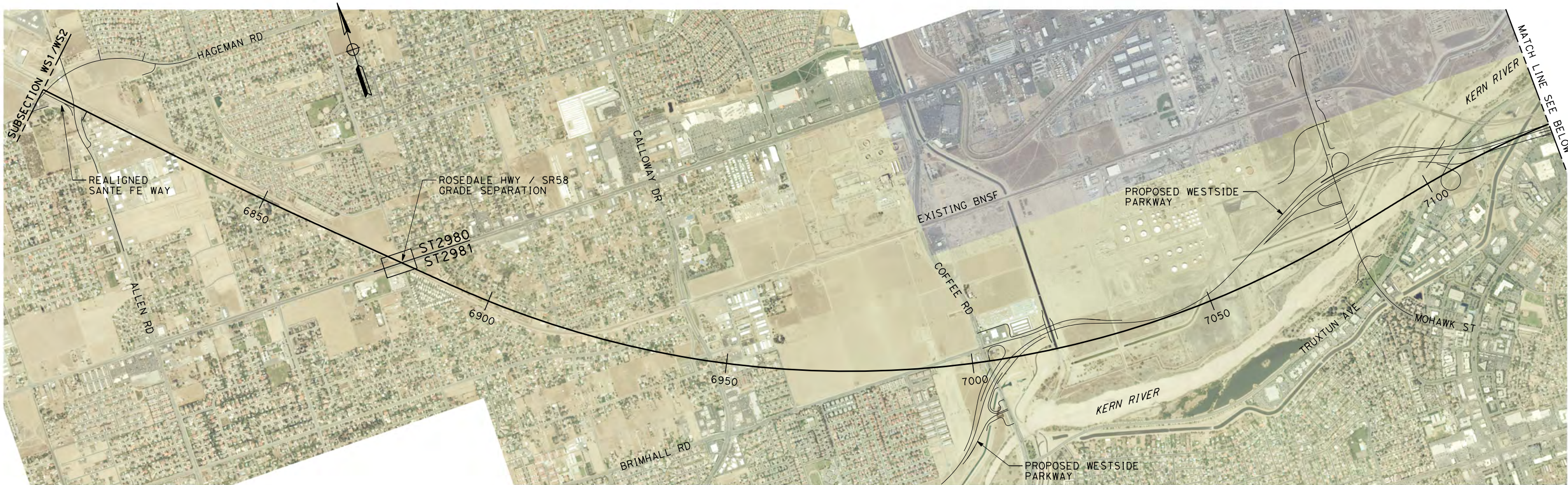
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

WASCO-SAFER BYPASS SUBSECTION  
ALIGNMENT WS2  
OVERHEAD PLANNING STUDY  
RENFRO RD

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2976
SCALE AS SHOWN
SHEET NO. 11 OF 11

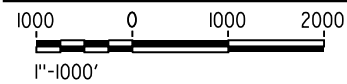


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**LEGEND**

- WESTSIDE PARKWAY / CENTENNIAL CORRIDORS / GRADE SEPARATION (BY OTHERS)
- EXISTING FREIGHT RAILROAD
- PROPOSED CHST / FREIGHT RAILROAD / ROADWAY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

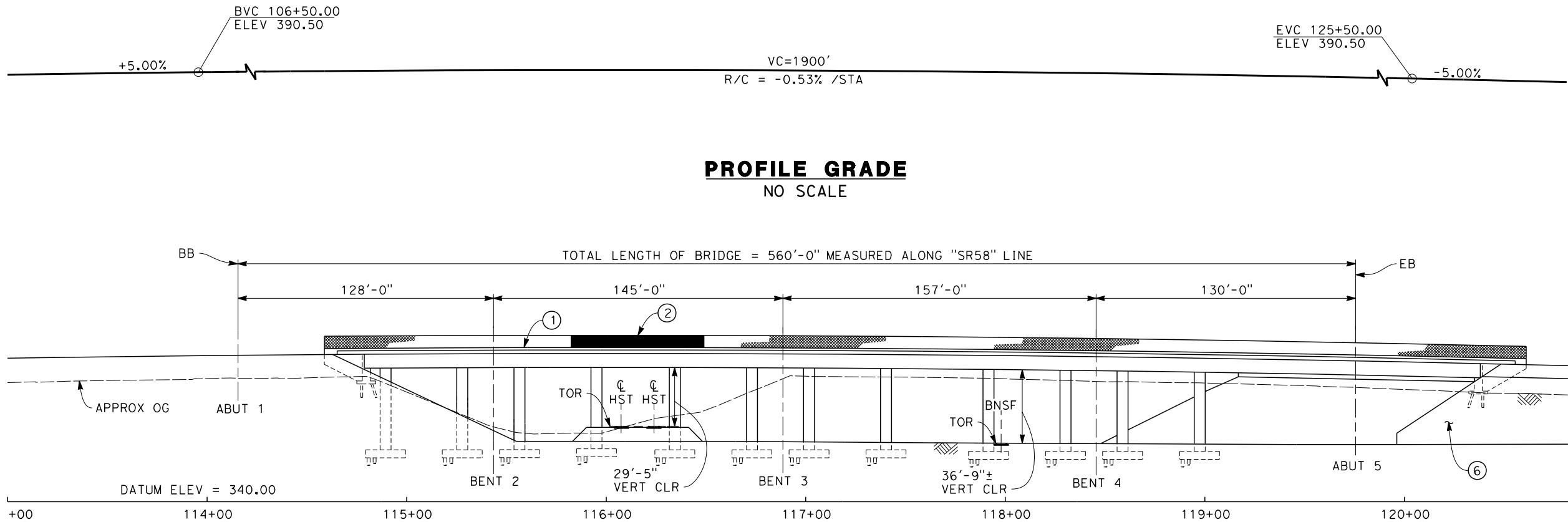
**NOT FOR  
CONSTRUCTION**



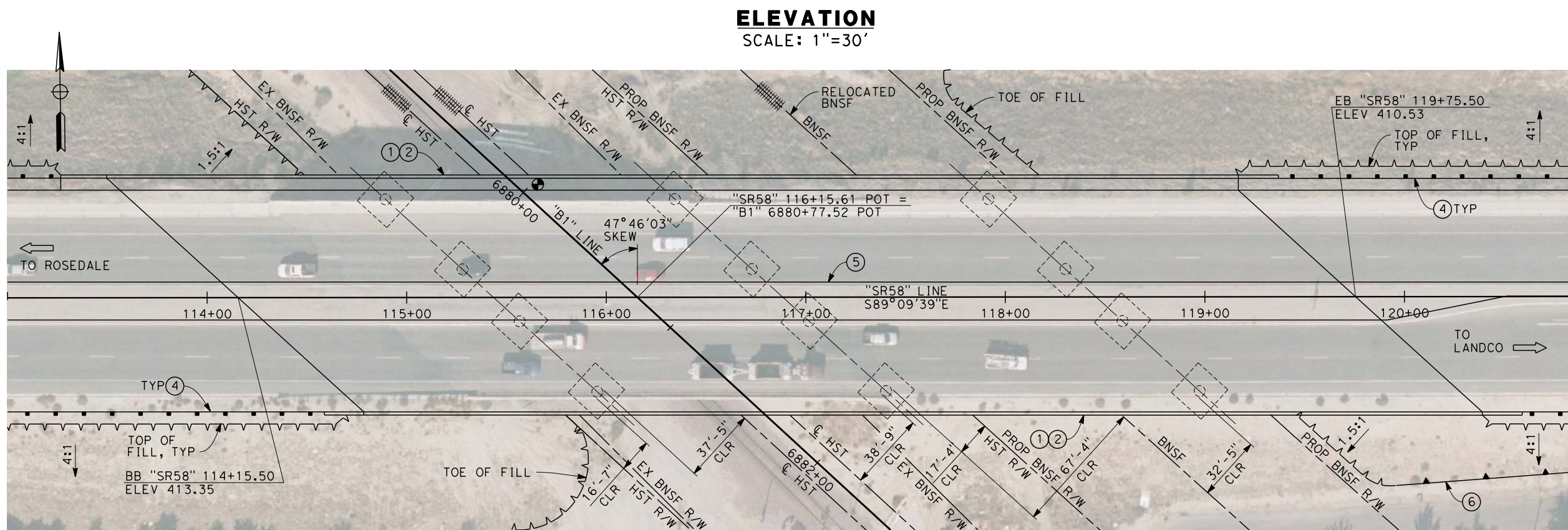
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
BAKERSFIELD URBAN SUBSECTION  
ALIGNMENT B1  
OVERHEAD PLANNING STUDY  
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. SB0190
SCALE AS SHOWN
SHEET NO. 1 OF 3



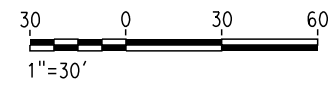


PROFILE GRADE  
NO SCALE



PLAN  
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR
  - ⑤ BARRIER CURB
  - ⑥ RETAINING WALL



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
E. MORAN  
DRAWN BY  
D. BARNHART  
CHECKED BY  
B. LUSCOMBE  
IN CHARGE  
R. COFFIN  
DATE  
12/31/13

RECORD SET 15%  
DESIGN SUBMISSION  
NOT FOR  
CONSTRUCTION



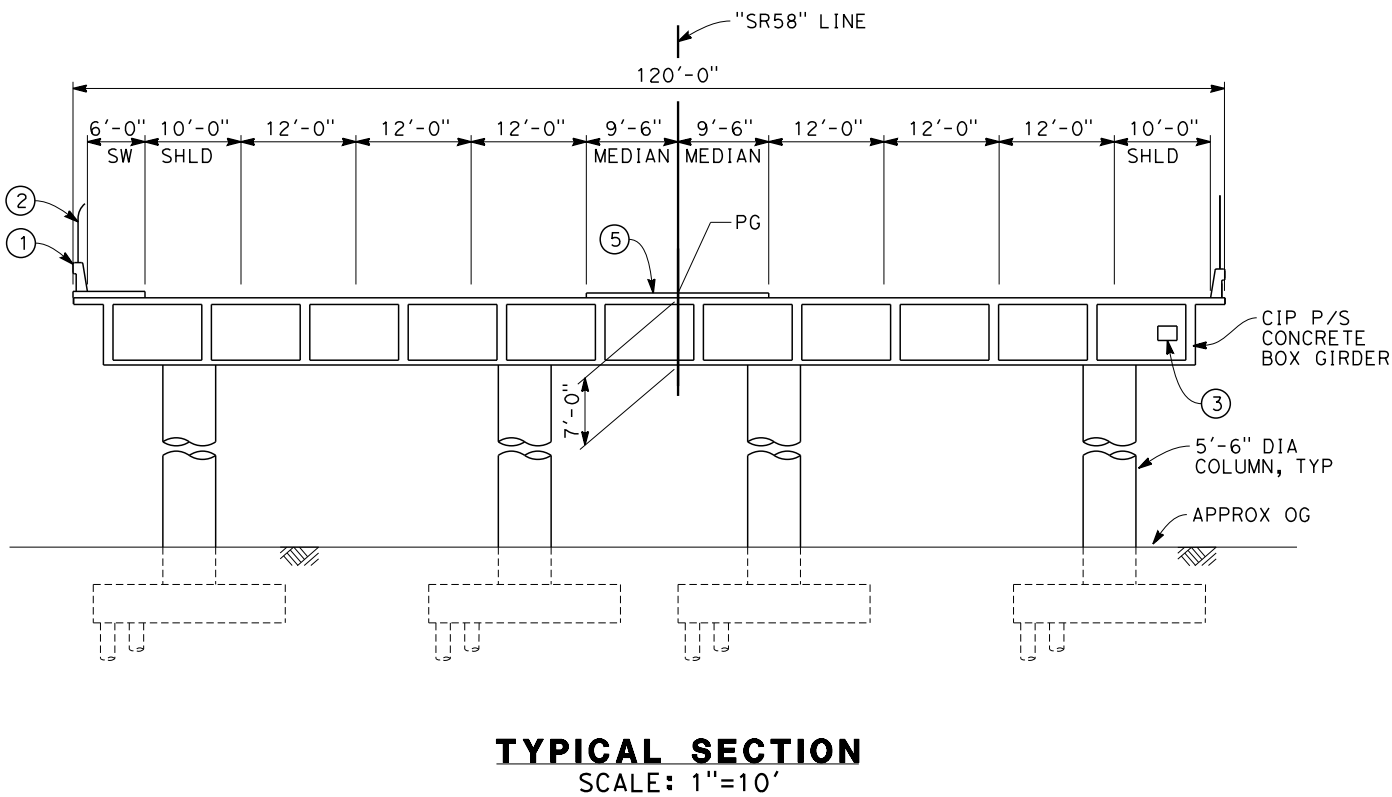
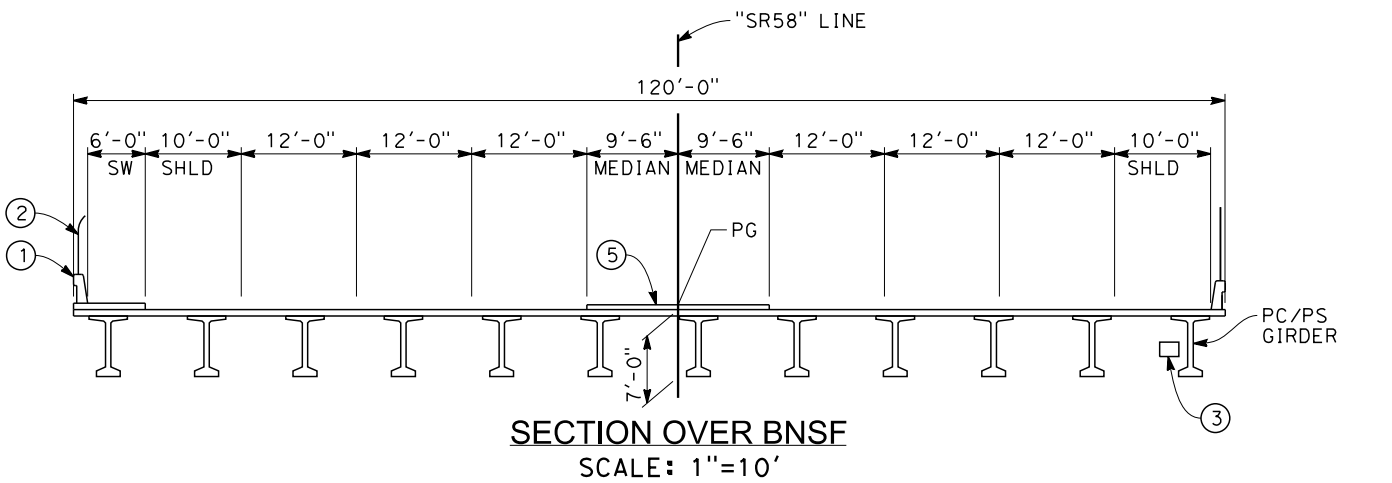
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD  
BAKERSFIELD URBAN SUBSECTION  
ALIGNMENT B1  
OVERHEAD PLANNING STUDY  
ROSEDALE HWY / STATE ROUTE 58

CONTRACT NO.  
HSR 06-0003  
DRAWING NO.  
ST2980  
SCALE  
AS SHOWN  
SHEET NO.  
2 OF 3



12/27/2013 12:52:03 PM c:\pwworking\hmm\external\mor45030\dms87999\FB-ST-2981-B1.dgn MOR45030

NOTES:  
1. FOR NOTES AND LEGEND,  
SEE DRAWING ST2980



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>

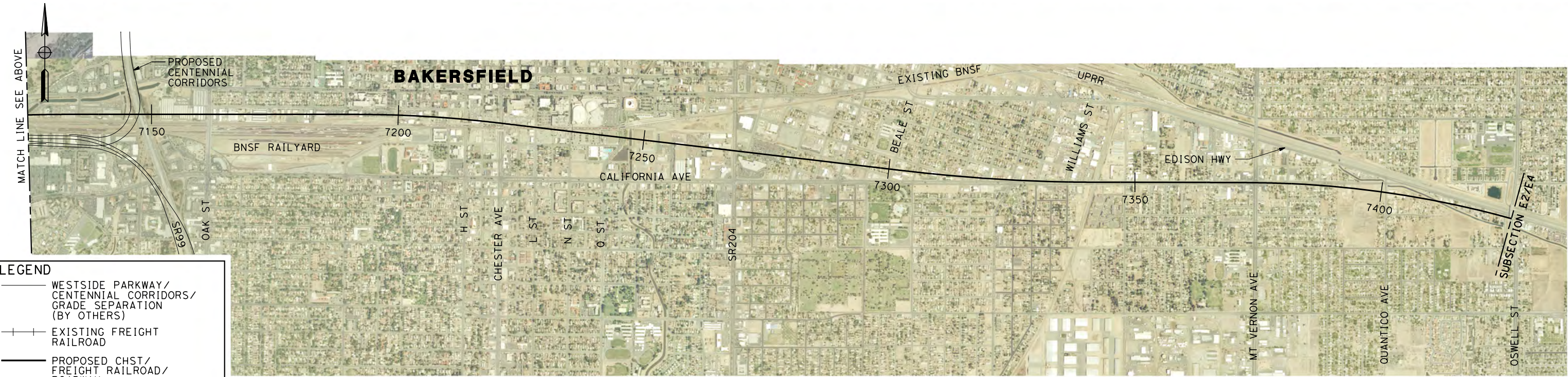


<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>
BAKERSFIELD URBAN SUBSECTION ALIGNMENT B1 TYPICAL SECTIONS ROSEDALE HWY / STATE ROUTE 58

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2981
SCALE AS SHOWN
SHEET NO. 3 OF 3

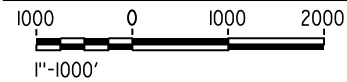


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**LEGEND**

- WESTSIDE PARKWAY / CENTENNIAL CORRIDORS / GRADE SEPARATION (BY OTHERS)
- EXISTING FREIGHT RAILROAD
- PROPOSED CHST / FREIGHT RAILROAD / ROADWAY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

BAKERSFIELD URBAN SUBSECTION  
ALIGNMENT B2  
OVERHEAD PLANNING STUDY  
KEY MAP

CONTRACT NO.  
HSR 06-0003

DRAWING NO.  
SB0200

SCALE  
AS SHOWN

SHEET NO.  
1 OF 4

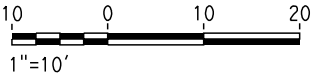
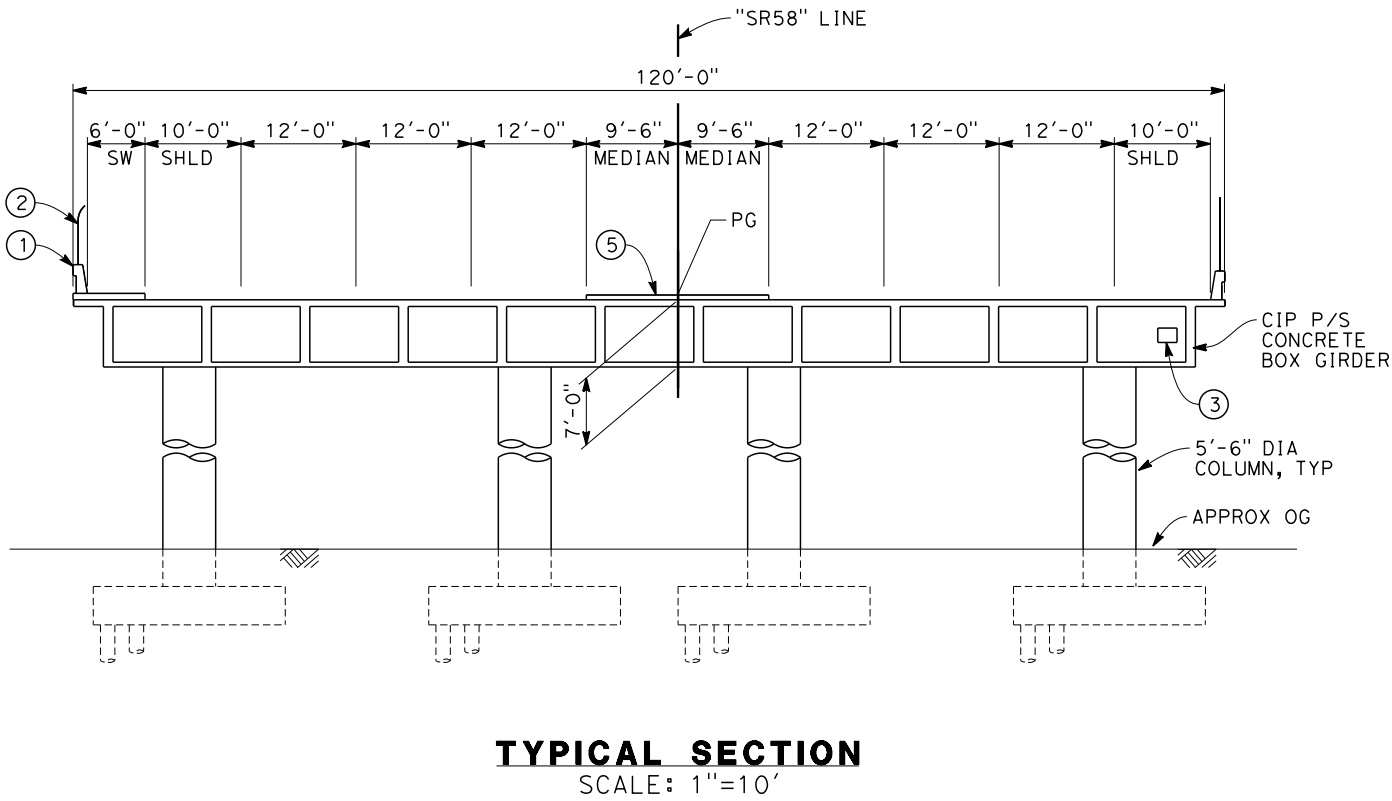
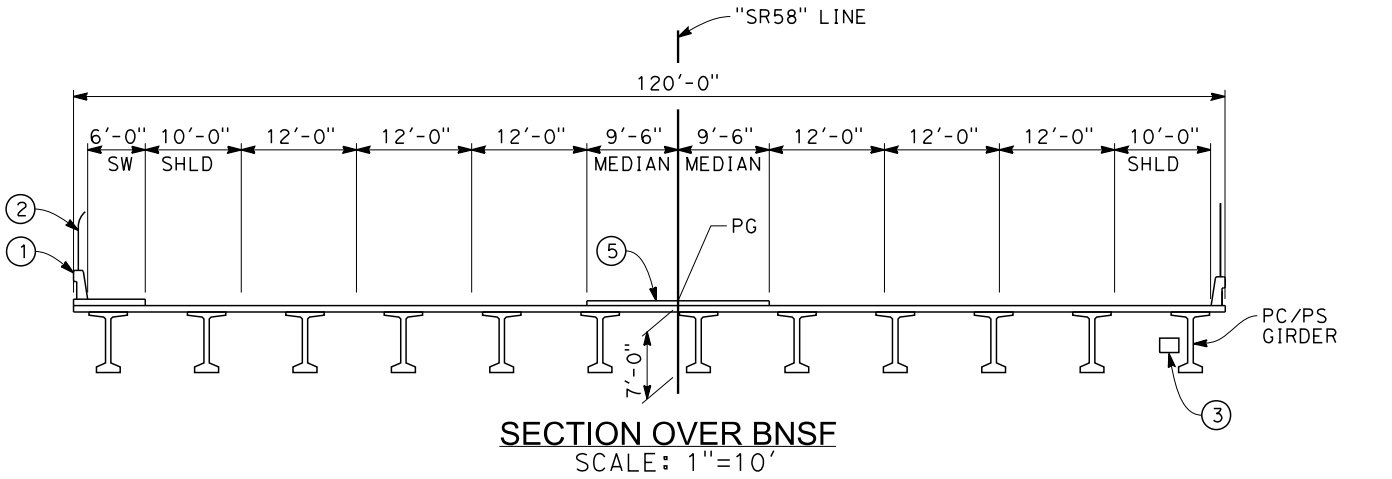






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NOTES:  
1. FOR NOTES AND LEGEND,  
SEE DRAWING ST2982



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

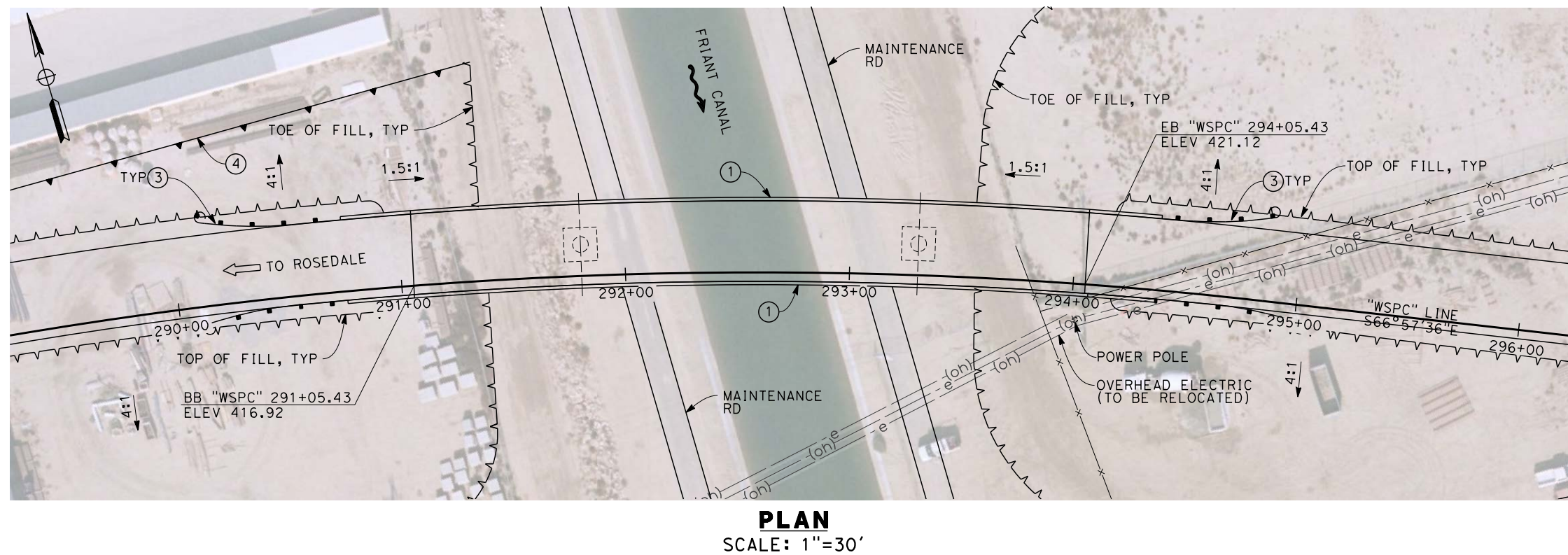
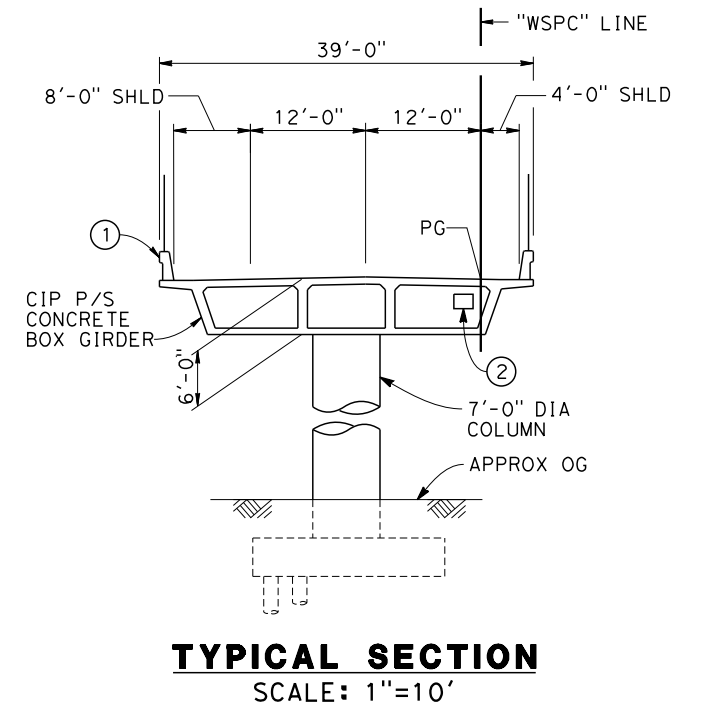
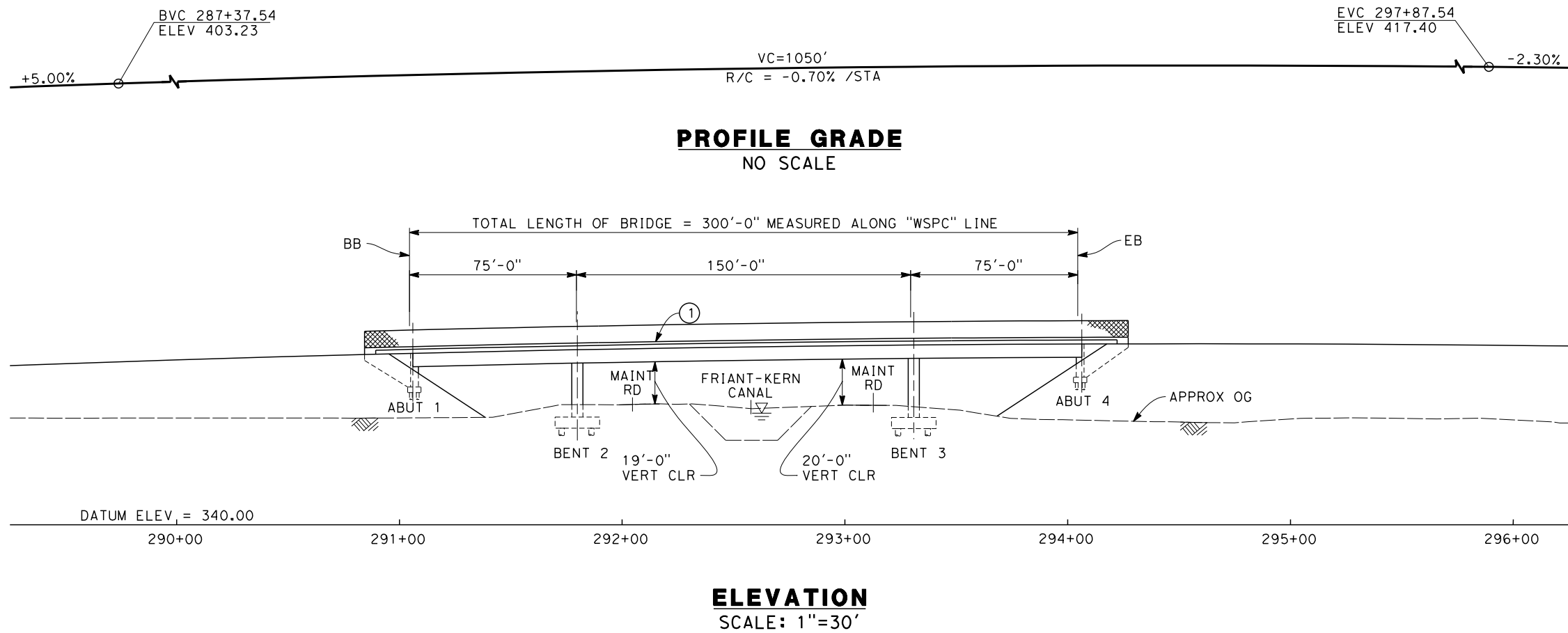
<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>



<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b>
BAKERSFIELD URBAN SUBSECTION ALIGNMENT B2 TYPICAL SECTIONS ROSEDALE HWY / STATE ROUTE 58

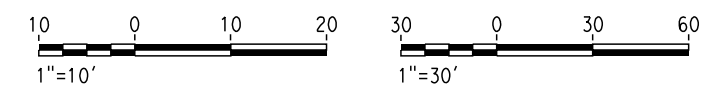
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2983
SCALE AS SHOWN
SHEET NO. 3 OF 4





- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- NOTES:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② FUTURE UTILITY OPENING
  - ③ MBGR
  - ④ RETAINING WALL



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

<b>RECORD SET 15% DESIGN SUBMISSION</b>
<b>NOT FOR CONSTRUCTION</b>

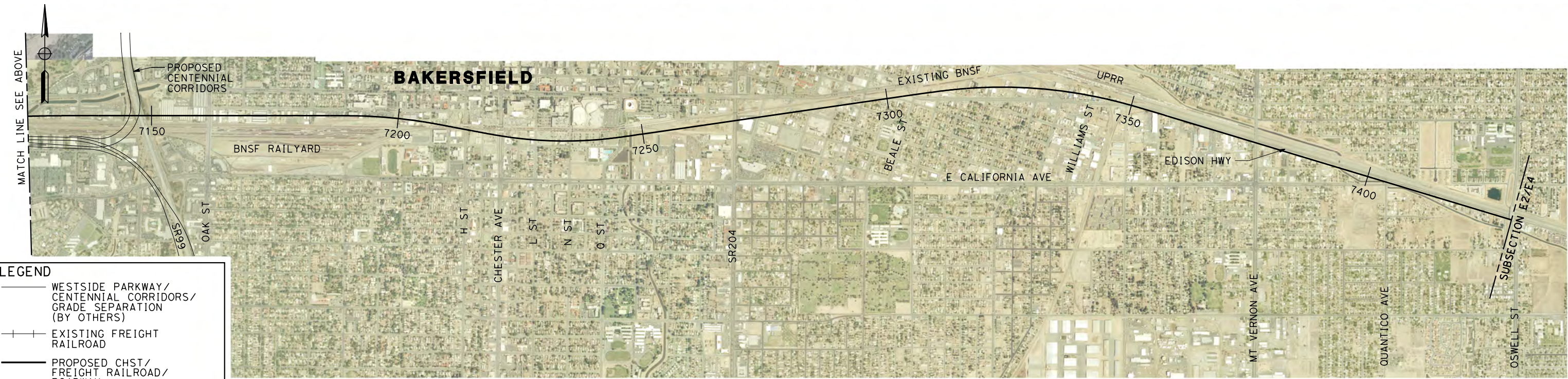


<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b>
<b>FRESNO TO BAKERSFIELD</b>
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
OVERHEAD PLANNING STUDY
WESTSIDE PKY / COFFEE RD OFF RAMP

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2986
SCALE AS SHOWN
SHEET NO. 4 OF 4

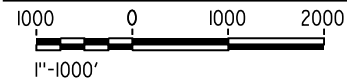


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**LEGEND**

- WESTSIDE PARKWAY / CENTENNIAL CORRIDORS / GRADE SEPARATION (BY OTHERS)
- EXISTING FREIGHT RAILROAD
- PROPOSED CHST / FREIGHT RAILROAD / ROADWAY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**

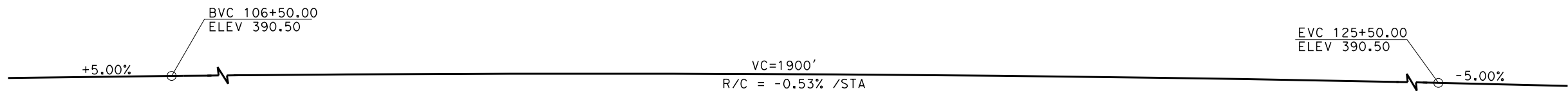


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**  
BAKERSFIELD URBAN SUBSECTION  
ALIGNMENT B3  
OVERHEAD PLANNING STUDY  
KEY MAP

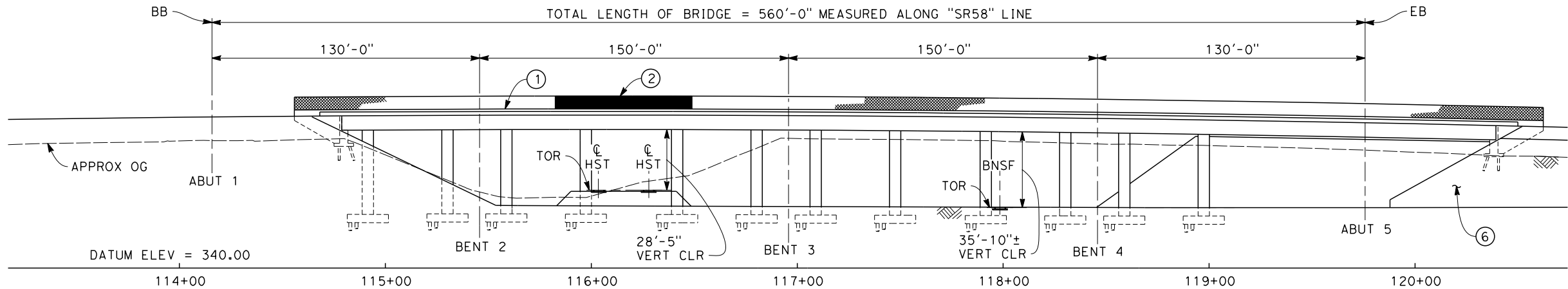
CONTRACT NO. HSR 06-0003
DRAWING NO. SB0210
SCALE AS SHOWN
SHEET NO. 1 OF 4



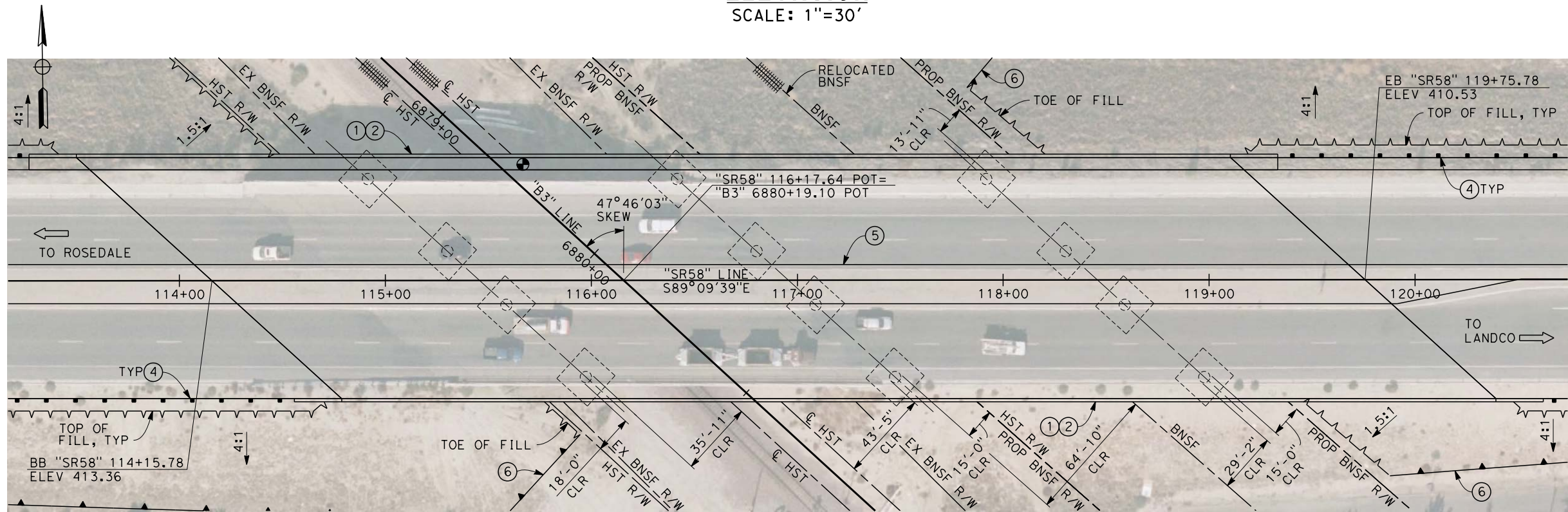
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**PROFILE GRADE**  
NO SCALE



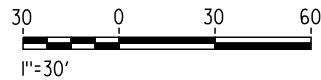
**ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② AR FENCE WITH SOLID PLATE OVER HST
  - ③ FUTURE UTILITY ENCASEMENT OPENING
  - ④ MBGR
  - ⑤ BARRIER CURB
  - ⑥ RETAINING WALL



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

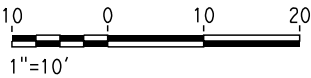
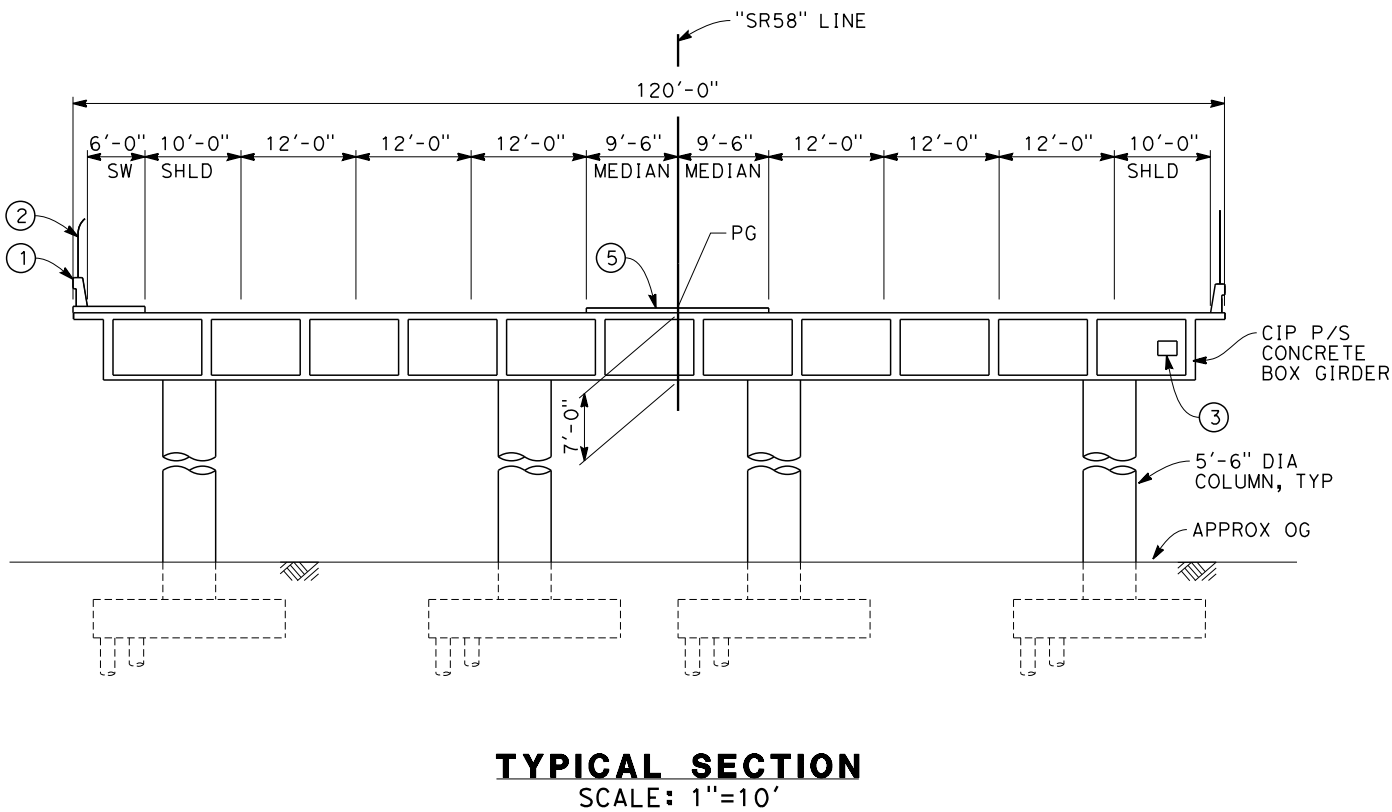
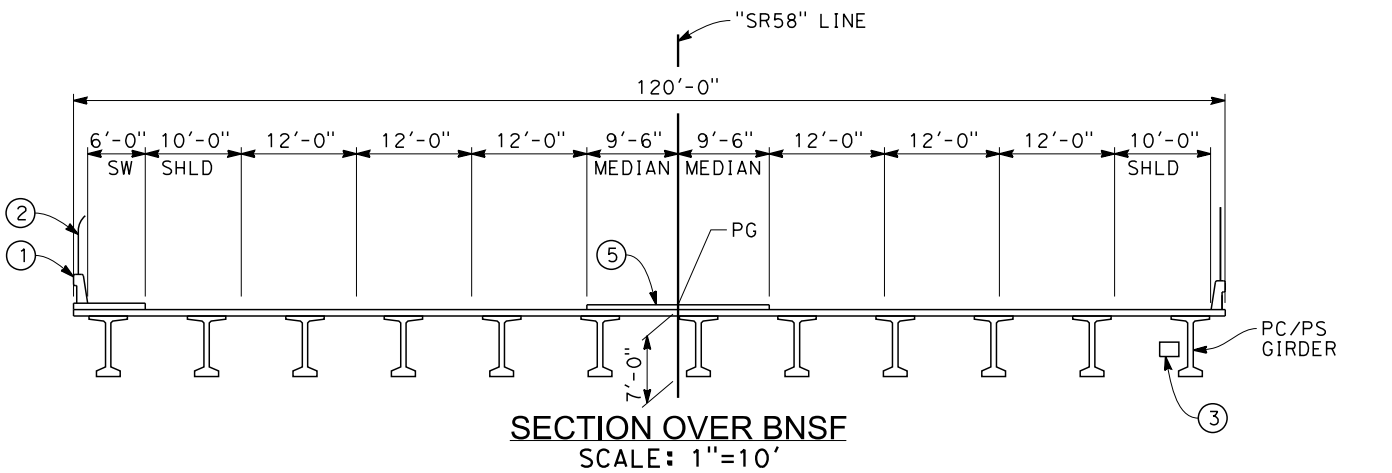
BAKERSFIELD URBAN SUBSECTION  
ALIGNMENT B3  
OVERHEAD PLANNING STUDY  
ROSEDALE HWY / STATE ROUTE 58

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2984
SCALE AS SHOWN
SHEET NO. 2 OF 4



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- NOTES:
1. FOR NOTES AND LEGEND, SEE DRAWING ST2984



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. MORAN
DRAWN BY D. BARNHART
CHECKED BY B. LUSCOMBE
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%  
DESIGN SUBMISSION**

**NOT FOR  
CONSTRUCTION**

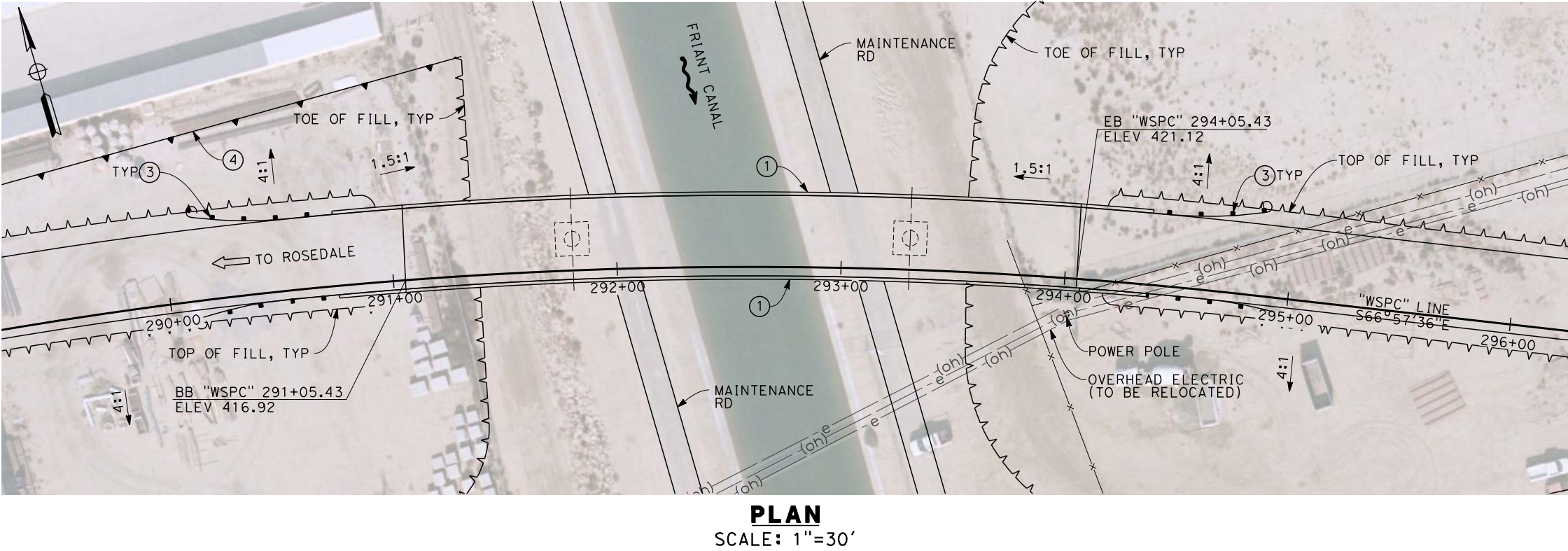
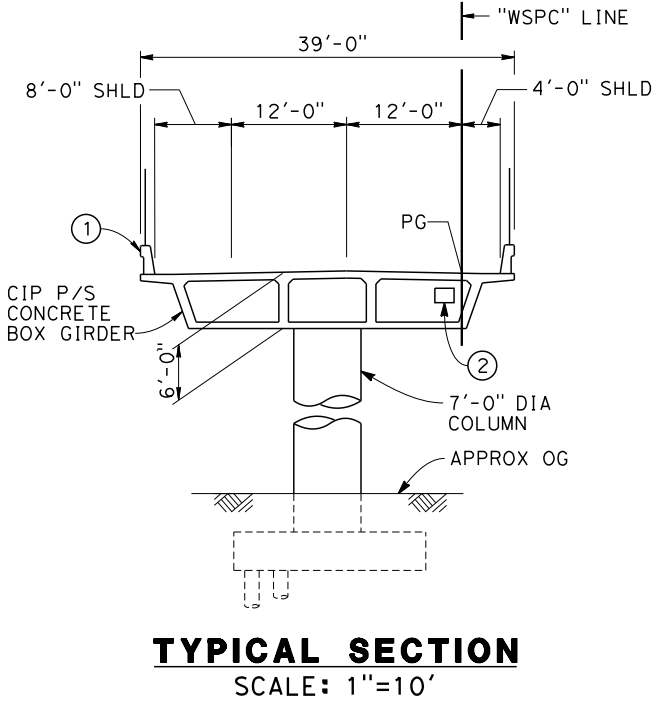
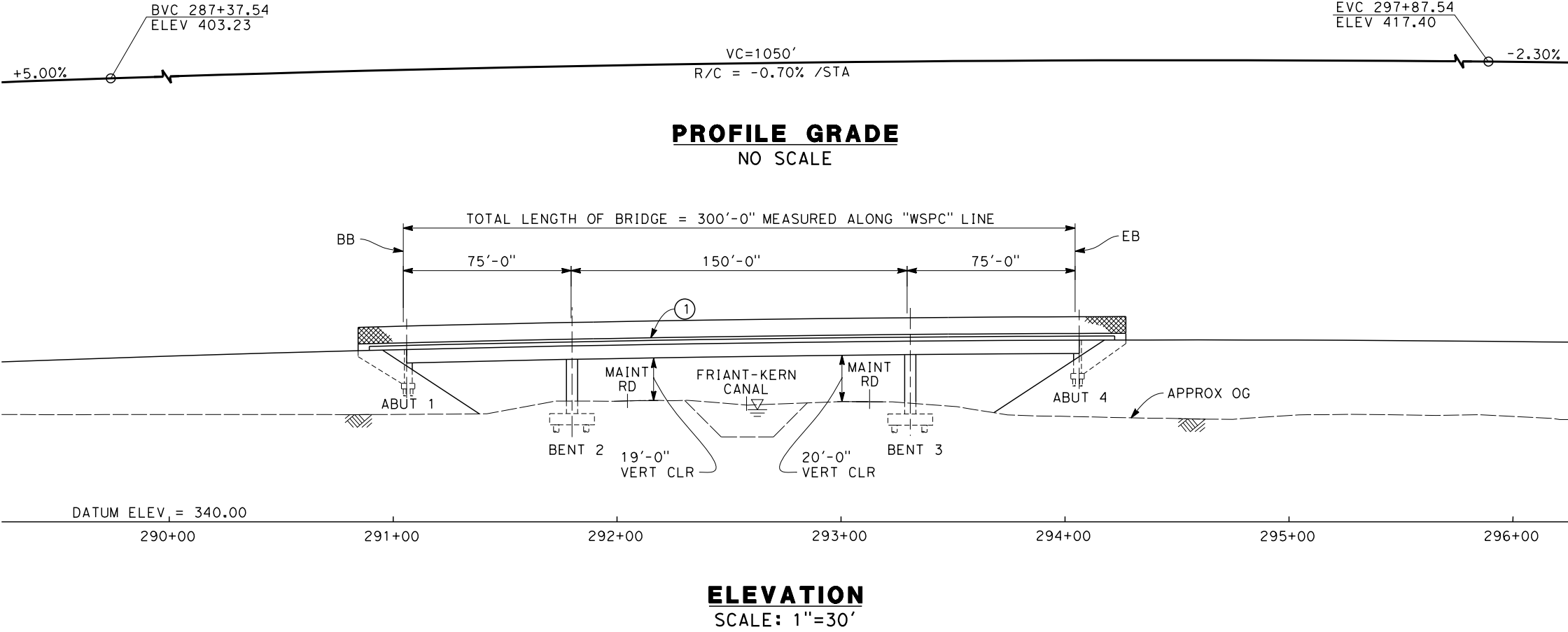


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
FRESNO TO BAKERSFIELD**

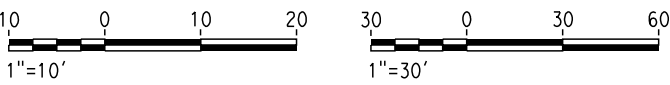
BAKERSFIELD URBAN SUBSECTION  
ALIGNMENT B3  
TYPICAL SECTIONS  
ROSEDALE HWY / STATE ROUTE 58

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2985
SCALE AS SHOWN
SHEET NO. 3 OF 4







- NOTES:
1. ALL PILES NOT SHOWN
  2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
- NOTES:
- ① CONCRETE BARRIER WITH AR FENCE
  - ② FUTURE UTILITY OPENING
  - ③ MBGR
  - ④ RETAINING WALL



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						DESIGNED BY E. MORAN	RECORD SET 15% DESIGN SUBMISSION -  NOT FOR CONSTRUCTION	 	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</b> BAKERSFIELD URBAN SUBSECTION ALIGNMENT B3 OVERHEAD PLANNING STUDY WESTSIDE PKY / COFFEE RD OFF RAMP		CONTRACT NO. HSR 06-0003
					DRAWN BY D. BARNHART	DRAWING NO. ST2987					
					CHECKED BY B. LUSCOMBE	SCALE AS SHOWN					
					IN CHARGE R. COFFIN	SHEET NO. 4 OF 4					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 12/31/13					